



ENGINEERING DEPARTMENT PRE-CONSTRUCTION PACKET

- Sample Agenda
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- List of Approved Materials
- Record Drawing Submittal Guide
- Maintenance Bond Requirement
- Web Links
- Ordinances

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- Ordinance # 91514 **Erosion & Sedimentation Control Guide**
- Ordinance # 2002-979 **Stamped Concrete**
- Ordinance # 2009-1243 **Loud & Disturbing Noise and Vibrations**



PRE-CONSTRUCTION CONFERENCE SAMPLE AGENDA

PROJECT GENERAL DESCRIPTION

PROJECT LEGAL DESCRIPTION OR CIP PROJECT NUMBER

PRE-CONSTRUCTION MEETING DATE & TIME

1. Utilities in Project Area

a) Franchise Utilities

- Electric
- Gas
- Telephone
- Cable
- Fiber Optic
- Pipeline

b) Municipal Utilities

- Water
- Sanitary Sewer
- Storm Drain
- Signalization
- Fiber Optic

2. Prior to Construction

- a) Video, photograph, written notes of existing site conditions
- b) Measure removal items
- c) Verify utility locations

3. City of Coppell Guidelines

- a) Working hours, overtime work

- b) Noise ordinance
- c) Changes to plans or specifications
- d) Set of Standard Details kept onsite
- e) Sanitary facilities for workers
- f) Responsible party onsite
 - Water Utilities Dept. 972-462-5150
 - All water used on the project must be metered
 - Water valves shall be operated by City of Coppell personnel only
 - Street Dept. 972-462-5150
 - Coordinate signalization, signage (if applicable)
- g) Contractor Meetings
 - Meeting day, time & locations

4. Project Specific Items

- a) Traffic control plan
 - Public safety will be of the utmost concern during the entire construction process
 - Lane closures, advance warning, speed limit
- b) Staging area agreements (if applicable)
- c) Temporary construction easements (if applicable)
- d) Sub-contractors
 - Project involvement
- e) Protection of business establishments and private property
 - Repair or replacement of damaged private (or public) property shall take place in a timely manner.
 - Scheduled utility disruptions
 - Notification of construction activity to adjacent property owners
- f) Concurrent construction activities in area (if applicable)
- g) Major items of construction
- h) Tasks to be completed prior to walk-thru

- i) Final clean-up
- j) Project sign

5. Submittals

- a) Responsible person – name & 24-hr contact number
- b) List of sub-contractors with contact person and phone number
- c) Traffic control plan
- d) Job-specific Trench Safety Plan
- e) Material

6. Testing

- a) Water
- b) Sanitary Sewer
- c) Storm Drain
- d) Strengths
- e) Densities
- f) Other

7. Other Items

- a) Maintenance bond
- b) Erosion control bond (if applicable)
- c) As-built plans



CITY OF COPPELL ENGINEERING DEPARTMENT PRE-CONSTRUCTION PROCEDURE GUIDE

The City of Coppel Engineering Department Public Works Construction Procedure Guide includes the following items which should prove helpful when constructing Water, Sanitary Sewer and Paving improvements in the City of Coppel:

- Procedures overview
- Water utility overview
- Utility construction walk-thru overview
- Utility emergency phone numbers
- Construction contact list
- List of involved agencies
- Utility relocation checklist
- Water Utilities inspection Punch-list
- Street and Traffic division inspection Punch-list
- Back-flow prevention program
- Temporary construction water meter issuance and work order form
- Water line isolation and/or meter relocation request form
- Utility customer notification form

The above referenced information should be used in conjunction with the City of Coppel Standard construction details, design ordinance, and the N.C.T.C.O.G. (North Central Texas Council Of Governments) Public Works Construction Standards, 4th edition.

Procedures Overview

Construction activity which directly or indirectly affects City of Coppel Water, Sanitary Sewer, Street or Storm Drain utilities or infrastructure shall be controlled by, but not limited to, the following policies:

- The water system shall not be tapped in or connected to for any reason without the approval of the Water Utilities Division.
- Water valves shall not be operated (opened or closed) by the contractor. Valves shall be operated by Water Utilities Division personnel only.
- The sanitary sewer system shall not be tapped in or connected to for any reason without the approval of the Water Utilities Division.
- Street cuts are not allowed without approval of the Engineering Department.
- Traffic lane closures shall be performed only with the approval of the Engineering Department and notification of the City of Coppel Police and Fire Departments.
- Private utilities shall not be placed in City rights-of-way or easements unless approved and permitted by the Engineering Department.
- Private utilities which are found to be in conflict with existing City utilities shall be relocated at the owner's expense.

Procedures Overview, cont'd.

- No construction activity shall take place in City rights-of-way or easements until a line location is performed by Water Utility Division personnel. 48 hour notice required.
- No construction activity shall take place until all requirements for permitting and fees have been satisfied.

Water Utilities Overview

Contractors requiring water on a project will be required to provide a deposit for a temporary construction meter provided by the City, pending availability. Water rates for construction projects are the same as the City's commercial water rates. If a portion of the water system is required to be shut down or isolated, the contractor shall be responsible for coordinating the shut-down with the Water Utilities Division and notifying the affected properties using the form that has been provided in this guide.

If the project is other than residential, water meters are required to be installed. These meters shall be installed according to City Standards and as referenced in this document. The meter shall be purchased from the City and must be paid for 45 days in advance. When a contractor is issued a water meter, the contractor will be required to pay the cost of the meter, a service deposit for each Irrigation and/or Fire line meter, a service deposit for a domestic meter, and an inspection fee for each meter. Before a meter can be issued, the contractor must install the meter setter according to City standards and an inspection must be performed on that setting. If the setting is found acceptable, then the contractor can receive the meter.

Once the meter has been installed, the contractor shall contact the Water Utilities Division at (972) 462-5155 to request an initial inspection of the meter setting. An inspector from the Water Utilities Division will perform the water service and meter installation inspection and approve or deny (if denied, the contractor will be notified). It is important to remember that even though a meter setting has passed its initial inspection, the final walk-through of the project may require adjustments in the meter setter, boxes, or vaults. All Back-flow prevention devices shall be tested and passed by a certified tester, approved by the City of Coppell Utility Division, before a project is released.

Utility Walk-thru Overview

Upon completion of a project, a walk-through inspection is performed with Water Utilities Division and Street and Traffic personnel present to inspect the components of the water system, sanitary sewer system, paving and storm drainage. The purpose of the inspection is to insure all components are properly constructed to allow for effective and efficient operation and maintenance.

Installation and placement of street signage, traffic control signage and markings shall be coordinated with the Streets and Traffic Division.

Once the walk-through is completed, a final punch-list will be provided to the contractor. After the contractor has completed the requested corrections, the punch-list items will be inspected again to insure that corrective measures have been taken. Contact the Water Utilities Division at 972-462-5155 when punch-list items are completed. Sample punchlists are attached to this guide.

Utility Emergency Phone Numbers

If at any time the contractor has a Water/Sanitary Sewer related emergency, he shall contact the project inspector or the Water Utilities Division at 972/462-5155.

If at any time the contractor has a Street or Traffic control related emergency, he shall contact the project inspector or the Street and Traffic Division at 972/462-5150.

IN ANY POTENTIALLY HAZARDOUS EMERGENCY SITUATION, SUCH AS DAMAGED GAS, ELECTRIC OR TRAFFIC CONTROL UTILITIES, THE CONTRACTOR SHALL FIRST CONTACT 911 EMERGENCY SERVICES.

CONSTRUCTION CONTACT LIST - PUBLIC

Engineering Department

265 Parkway Blvd.
Coppell, Texas 75019
Phone: 972-304-3679
Fax: 972-304-3570

Street and Traffic Division

816 S. Coppell Rd.
Coppell, Texas 75019
Phone: 972-462-5150
Fax: 972-462-5199

Building Inspections Dept.

265 Parkway Blvd.
Coppell, Texas 75019
Phone: 972-304-3567
inspect@coppelltx.gov
Inspection Requests: 972-304-3516

Parks & Recreation Department

(Tree removal and mitigation)
816 S. Coppell Rd.
Coppell, Texas 75019
Phone: 972-462-5100
Fax: 972-462-5149

Water Utilities Division

816 S. Coppell Rd.
Coppell, Texas 75019
Phone: 972-462-5155
Fax: 972-462-5199

Planning Department

(Homeowner's Association List)
265 Parkway Blvd.
Coppell, Texas 75019
Phone: 972-304-3678
Fax: 972-304-7092

Fire Marshal's Office

265 Parkway Blvd.
Coppell, Texas 75019
Phone: 972-304-3512
Fax: 972-304-3514

Environmental Health

(Waste containment & debris removal)
265 Parkway Blvd.
Coppell TX 75019
Phone: 972-462-5177
environmentalhealth@coppelltx.gov

CONSTRUCTION CONTACT LIST-FRANCHISE UTILITIES

Atmos Energy

Richard Johnson
Phone: (O) 972-360-4428
(M) 214-673-1324

AT&T/SBC Communications

John Hollingsworth
Phone: (O) 214-464-4095
john.hollingsworth.jr@att.com

AT&T Network Services

Rich Milleman

Phone: (M) 214-215-3031

COSERV Electric and Gas

7701 Stemmons Fwy, Ste 210

Corinth, TX 76210

Phone: (O) 940-321-7800

Grande Communications

7701 Stemmons Fwy, Ste 210

Corinth, TX 76210

Phone: (O) 877-238-6891

Grandecom.com

ONCOR Electric Delivery

Randy McKee

(O) 972-323-8915

(F) 972-323-8925

glenn.mckee@oncor.com

After Hours 888-313-4747

Time Warner Cable

Phillip Gwin

Phone: (O) 214-869-9038

phillip.gwin@twcable.com

Zayo (formerly 360networks USA)

Phone: (O) 303-381-4683

www.zayo.com

Brazos Electric Co-Op

Don McKelvain

Phone: (O) 254-750-6339

dmckelvain@brazoselectric.com

Explorer Pipeline

Patrick Nwakoby

Phone: (O) 918-493-5100

pnwakoby@expl.com

Century Link (formerly Qwest
Communications)

Local Office : (972) 720-2916

Toll free (877) 680 4719

www.centurylink.com

Time Warner Telecom

Don Hurla

Phone: (O) 214-229-8443

don.hurla@twtelecom.com

Verizon Communications

Paul Bowles

Phone: (O) 972-318-5027

paul.bowles@verizon.com

1 800 DIG TESS

Utility Locates

Phone: 1-800-344-8377

or

www.texasonecall.com



AGENCIES INVOLVED IN TRANSPORTATION and CONSTRUCTION ISSUES

DART - *Dallas Area Rapid Transit* is the public transit authority for thirteen Dallas County communities, providing bus, light rail, para-transit, HOV lanes and vanpool services, www.dart.org

EPA - U.S. *Environmental Protection Agency* was established in 1970 to protect human health and safeguard the natural environment. EPA is responsible for setting national standards for a variety of environmental programs, www.epa.gov

FHWA - *Federal Highway Administration*, part of the U.S. Dept. of Transportation, provides federal financial assistance to states to construct and improve national highways, urban and rural roads, and bridges. www.fhwa.dot.gov

NCTCOG - *North Central Texas Council of Governments* is a voluntary association of local governments within the 16-county NCT area. Its 232 member governments work through the agency to plan for common needs. The Regional Transportation Council of NCTCOG, a series of technical committees, and the transportation staff comprise the Metropolitan Planning Organization (MPO) for the DFW metropolitan area, responsible for transportation and air quality planning for the region. www.dfwinfo.com

OSHA - *Occupational Safety and Health Administration* (a division of the US Department of Labor) was created in 1971 to protect workers from on-the-job injuries and deaths. As a result of OSHA training and compliance inspections, workplace injuries and illness have declined by 40 percent in the past 30 years. Compliance regulations are numerous and industry-specific. For more information go to www.osha.gov

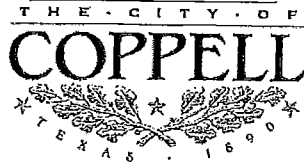
TCEQ - *Texas Commission on Environmental Quality*, previously known as TNRCC (*Texas Natural Resource Conservation Commission*), is the state agency responsible for coordinating and submitting clean air plans for Texas to the EPA. Also grants Construction Permits for air and water discharge on small and large projects. New rules for permitting took effect in March 2003. www.tceq.state.tx.us
Local office: 817/588-5800

TxDOT - The mission of the *Texas Department of Transportation* is to provide safe, effective and efficient movement of people and goods. The vision of TxDOT is to provide transportation systems and alternatives that are comfortable, safe, durable, cost-effective, accessible, environmentally sensitive and aesthetically appealing.
www.dot.state.tx.us

USACE – *United States Army Corps of Engineers*, is the federal agency responsible for planning, designing, building and operating water resources and other civil works projects (Navigation, Flood Control, Environmental Protection, Disaster Response, etc.) Passage of the Clean Water Act in 1972 gave the Corps authority over dredging and filling in the "waters of the United States," including many wetlands. Activities in wetlands are covered by regional or nationwide general permits.

www.usace.army.mil. Local office: 469/487-7002

Floodplain Administrator – *The City of Coppell Floodplain Administrator* is the local authority responsible for regulating construction activities in areas defined as floodway and floodplain by the FEMA (*Federal Emergency Management Agency*) FIRM (*Flood Insurance Rate Map*). Activities include review of floodplain development permits, review of CLOMR (*Conditional Letter of Map Revision*), raising awareness of floodplain-related issues in the community and assisting private entities and the general public in floodplain-related matters. City of Coppell Engineering Department: 972/304-3679 or www.coppelltx.gov/floodplain



**WATER UTILITIES DIVISION
UTILITY RELOCATION CHECKLIST FOR WORK WITHIN
CITY OF COPPELL RIGHTS-OF-WAY OR EASEMENTS**

Listed below are minimum requirements for utility relocation projects:

1. A copy of the valid approved City of Coppell permit is required on the project at all times.
2. Notify adjacent property owners (commercial and residential) of project timeline; provide them with contact names and phone numbers.
3. Proper erosion control measures must be taken.
4. Follow Texas MUTCD standards for work in traffic zones.
5. Sod is to be replaced when necessary.
6. Irrigation repairs must be performed in a timely manner.
7. Follow OSHA recommended trench safety at all times.
8. Repair existing utilities that are damaged, including but not limited to clean-outs, water valves, and sanitary sewer manholes.
9. Densities may be required in trench lines (ASTM).
10. Care and repair of street signage is the responsibility of the contractor.
11. No work is to be done in collector roadways before 9:00 a.m. or after 3:00 p.m.
12. Prior notice of work activity on weekends and holidays must be in writing.
13. Line locates must be performed in advance. See Construction Contact List.
14. Debris must be removed from work area daily and disposed of properly outside the City.
15. Streets, sidewalks and alleys must be kept clean of construction material and debris.
16. "Clean-up" requires returning work area to pre-project condition or better.
17. Contractor is required to contact Public Works Division for Completion Verification Notice.
See sheet 4 of permit application.



**WATER UTILITIES DIVISION
WALK THRU PUNCH-LIST ITEMS**

Fire Hydrants

- Check physical appearance of hydrant.
- Check to see if hydrant is put together properly.
- Is hydrant level?
- Check Cap threads
- Check for proper thread type at nozzles.
- Operate Hydrant with Caps on. Must use a hydrant wrench.
- Operate Hydrant with Caps off. Must use a hydrant wrench.
- Check to ensure proper operation of weep holes.
- Inspect hydrant valve - valve nut or extension maximum 48" below grade.
- Operate hydrant valve to ensure proper operation.
- Hydrant shall be painted yellow in right-of-ways or easements.
- Hydrant valve stack lid shall be painted red.
- 2' x 2' Concrete valve pad around valve, or if in pavement, a 2' x 2' Block-out.
- Check for proper grade of valve stack and pad.

Mainline Valves

- Valve stacks shall terminate at grade in a fully adjustable section. Ductile iron lower sections are acceptable.
- Water samples shall be taken by contractor, tested and approved before main is turned on by the Water Utility Division.
- Valve stack lids shall be painted blue.
- Inspect valve - valve nut or extension maximum 48" below grade.
- 2' x 2' Concrete valve pad around valve, or if in pavement, a 2' x 2' Block-out.
- Check for proper grade of valve stack and pad.
- Operate valve to ensure proper operation.

Meter Boxes and Water Meter Setters

- Check box for proper grade and location.
- Check lid for proper operation of lock.
- Check meter (setter) for proper height.
- Check to ensure that both curb stops are accessible and can be operated with turn-off wrench.
- Check meter loop for proper size, type and alignment.
- Need to be able to see all pipe fittings in box.
- Check for proper water flow.
- Check for proper embedment.

Sanitary Sewer Manholes

- Contractor shall clean all lines and manholes, mandrel test, air test and TV. Contractor shall provide VHS tape or DVD to the City with a print out of all services identified by footage.
- Check manhole rim for proper grade and elevation.
- If manhole is in pavement, a 4' x 4' block-out is required.
- Remove manhole lid: check ring alignment with top of cone and proper placement of chimney seal
- Check for stainless steel rain pan.
- Check invert in manhole to insure proper alignment of pipes. Invert should be clean and free of standing water, waste and debris.
- Main line and individual lot clean outs shall be checked for proper slope and installation, type of material and approved "y" at 4" clean-out.
- Lot clean outs shall be green PVC sewer pipe with a sweep tee and 12"x12" concrete pad poured at ground level.

Miscellaneous

- Water samples required on all new water mains and fire lines.
- Water samples shall be tested and approved.
- All blow-offs for mains shall be covered with meter boxes and set at proper grade and shall not be installed in a paved area.
- All water/sewer system components shall be properly painted and their location marked on the curb adjacent to their placement as follows:

Blow-off: "BO" in Blue Paint

Fire Hydrant: yellow paint in R.O.W. or easement; red paint for private hydrants

Manholes: "MH" in red paint

Mainline Valve stack cap: "MLV" in blue paint

Fire Hydrant Valve stack cap: "FHV" in red paint

Meter Box: "W" in blue paint

Sewer Service: "S" in red paint

Sewer Clean-out: "CO" in red paint

All letters two (3") inches high, stamped or cut into curb face

Tracer tape on all Sanitary Sewer mains

Blue tracer wire #12 on all water mains.

Note: Ground adjacent to water valves, meter boxes, blow-offs, meter vaults, sanitary sewer clean-outs and manholes located within the parkway or in the median shall meet a grade of 1/4" per foot from the back of the curb line (top of curb).



**STREET AND TRAFFIC DIVISION
WALK THRU PUNCH-LIST ITEMS**

Pavement

- Check physical appearance of pavement.
- Check for proper surface finish.
- Check for proper flow of storm water across pavement surface to storm drainage structures.
- Check for proper sealing of joints.

Traffic Control

- Check traffic signal poles for proper height, plumb and proper torquing of fasteners.
- Check mast arms for proper length, road clearance and vibration damping devices, if required.
- Check for proper number and type of signal heads.
- Check signal heads for proper horizontal and vertical aim.
- Check signal heads for proper road clearance.
- Check street signs for location, level and clearance.
- Verify that all signage is installed according to the engineering plans. Check spelling.
- Check Opticom®(s), video detection units and confirmation lights for proper location and aim.
- Check traffic signal controller and cabinet for proper installation, orientation and operation.
- Check signal controller battery back-up for proper operation.
- Check wiring for proper gauge, type, color and grounding.
- Check ground boxes for proper installation, size, type and grade.

Pavement Markings

- Check pavement markings for proper type, location and quantity.
- Verify that traffic buttons are installed according to the City of Coppell Standard Construction Details, latest version.
- Check lane widths.



WATER UTILITIES DIVISION BACKFLOW PREVENTION PROGRAM

REQUIREMENTS OF THE ORDINANCE

Effective January 1, 1996

1. All newly installed Backflow Prevention Devices must be tested by a Backflow Prevention Device Tester upon installation and before inspection can be released. (list of testers available upon request).
2. Backflow Prevention Device Testers must be certified by the State of Texas and registered with the Water Utilities Division of the City of Coppell. In order to be registered the tester must pass a practical testing exam administered by the Water Utilities Division, must show proof of liability insurance in the amount of \$1,000,000.00 and pay a \$75.00 annual fee. If a tester is registered with another city, Coppell may consider that registration, but the decision will be made by the Water Utilities Division Superintendent. A backflow prevention device tester does not have to be a plumber or an irrigator.
3. Customer Service Inspection for cross connection control must be completed on any new plumbing system, or any correction or addition to plumbing systems before a C.O. (certificate of occupancy) can be issued. Also applies to any non-residential water services being transferred.

The cost of Customer Service Inspections is as follows:

- New Construction - no charge
 - Any plumbing improvement requiring a permit - Residential \$20.00, Non Residential \$40.00
 - All Others (including non-residential water service transfers) - Residential \$20.00
 - Non-Residential - \$40.00
4. All Backflow Prevention Devices must be registered with the Utilities Division annually at a cost of \$15.00. Each of these devices must also be tested annually by a Certified Tester.
 5. The Water Utilities Division will maintain a current inventory on all backflow prevention devices.
 6. When customer service inspection forms are completed, a copy goes to the owner/builder, the Utilities division and Inspections division.
 7. Two types of Testers are recognized:
 - General - can test any device except Fire lines
 - Fire line Tester - can only test Fire line devicesA Fire line Tester must be a certified tester and be employed by a fire sprinkler company.
 8. Prior to water service being granted to any customer, a Customer Service Agreement must be signed by the person making application with the City.

If you have any questions, contact the Water Utilities Division at 972/462-5155.



**WATER UTILITIES DIVISION
METER ISSUANCE / WORK ORDER**

Date: _____

Company/Representative: _____

Project Name: _____

Location of Meter: _____

Billing Account Name: _____

Billing Address: _____ City: _____ State: _____ Zip Code: _____

Phone #: (____) _____ D.L. #: _____

Printed Name: _____ Signature: _____

Domestic Mtr. # _____ Size: _____ Reading _____ Deposit Amt. _____

Domestic Mtr. # _____ Size: _____ Reading _____ Deposit Amt. _____

Irrigation Mtr. # _____ Size: _____ Reading _____ Deposit Amt. _____

Irrigation Mtr. # _____ Size: _____ Reading _____ Deposit Amt. _____

Fire Line Mtr. # _____ Size: _____ Reading _____ Deposit Amt. _____

Fire Line Mtr. # _____ Size: _____ Reading _____ Deposit Amt. _____

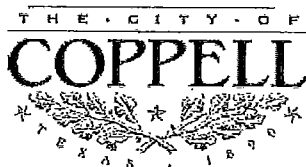
WATER UTILITIES DIVISION
METER ISSUANCE / WORK ORDER

Temporary Mtr. # _____ Beginning Reading _____ Deposit Amt. _____

TEMPORARY METERS: \$1,000 DEPOSIT REQUIRED

- Applicant shall return the meter to 816 S. Coppell Road when completed with project. Cost of any repairs or replacements necessary shall be billed on the final statement or deducted from the deposit.
 - Applicant is responsible for winterizing all temporary construction meters and components to protect them against any damage due to freezing temperatures.
 - Customer is not allowed to move or relocate a meter to different jobs/projects. Only yellow City Fire Hydrants may be used. Customer must call 972-462-5150 to report a reading. The City is not responsible for any stolen property under any conditions.
 - The City will deposit the \$1,000 upon receipt. The current, minimum monthly water bill shall be \$48.40, which includes the first 1,000 gallons used. All water in excess of 1,000 gallons will be \$2.60 per 1,000 gallons. (Minimum charges are subject to change.) Monthly payment is due by the 5th of each month. If payment is not received by this date, there will be a penalty of 10% assessed to the total balance.
-
-

Water Tap \$ _____ Sewer Tap \$ _____ Meter \$ _____ Final Inspection \$ _____



**WATER UTILITIES DIVISION
WATER ISOLATION REQUEST and/or METER RELOCATION**

The following information must be provided in order to allow isolation of any part of the City of Coppell water system. This form must be completed and submitted to the Water Utilities Division for processing forty eight (48) hours prior to the date the isolation and/or relocation is requested.

Today's Date: _____ Time: _____

Project: _____

Contractor: _____

Printed Name: _____

Phone #: _____

Area Affected (Street, Block, No.): _____

DATE REQUEST IS NEEDED _____

Time Off: _____ a.m./p.m.

Time On: _____ a.m./p.m.

Water Main Size: _____ inches

Water Service Size: _____ inches

If water customers of the system will be affected, contractor shall provide a list of those business or residential structures affected.

* Note: The City of Coppell Water Utilities Division shall perform all water line shut-downs.
Contractors are not permitted to turn any valves in the system.

Signed: _____
Contractors Representative _____ Date _____

Printed Name: _____

FOR METER RELOCATION ONLY:

Date _____ Amount of Payment _____ Initials _____

* (Attach work order for relocation only)



WATER UTILITIES DIVISION

DATE: _____

Due to construction work being done in your area, the water will be turned off on the following day(s):

From _____ a.m./p.m. to _____ a.m./p.m.

If you have questions or concerns, please contact the Water Utilities Division at 972-462-5150.

We appreciate your cooperation and understanding with regard to this matter.

Sincerely,

Glenn Hollowell, P.E.
Assistant Director of Public Works

Coppell Road Service Center
816 S. Coppell Road
Coppell, Texas 75019



**CITY OF COPPELL ENGINEERING DEPARTMENT
LIST OF APPROVED PRODUCTS AND MATERIALS
FOR PUBLIC WORKS CONSTRUCTION**

The City of Coppel Engineering Department List of Approved Products and Materials for Public Works Construction includes the following items:

Water Service

- Water Valves up to 12"
- Fire Hydrants
- Meter Boxes
- Meter Setters
- Water Services
- Water Service Fittings
- Water Lines
- Pipe Fittings
- Meter Vaults
- Double Detector Check Assemblies
- Tapping Saddles and Sleeves
- Corporation Stops
- Curb Stops

Sanitary Sewer Service

- Rain Pans
- Chimney Seals
- Clean-outs
- Sewer Lines

Streets and Traffic Control

- Traffic Controllers
- Video Detection
- Lane Channelization
- Pavement Markings



**CITY OF COPPELL ENGINEERING DEPARTMENT
LIST OF APPROVED MATERIALS AND PRODUCTS
FOR WATER SERVICE**

NOTE: The use of brands, models and or materials other than those listed must be approved by the City engineer on a case by case basis.

Water Lines

- Blue #12 tracer wire, 1 ft. above pipe
- PVC pipe- Blue in color
- 10" and smaller: Class 200 DR-14
- 12" and larger: Class 150 DR-18
- Ductile Iron - Class 51 (For 16" and larger lines) with poly sleeve

Pipe Fittings

- Full size ductile iron meeting AWWA C121 and of domestic origin. Compact size ductile iron meeting AWWA C121 and of domestic origin can be used only with the approval of the City Engineer.
- Megalug or anchor couplings used at fire hydrants, valves, and all ductile iron fittings.

Water Valves (Up to 12" in Size)

Resilient seat inline gate valves, flanged or MJ connection:

- Watrous 500 R.W. Epoxy Coated
- American Darling - RS
- Kennedy - Ken - Seal
- Mueller - RS
- Clow - R.W.
- AVK - R.W.
- M&H Valve

Tapping Saddles and Sleeves

- PVC pipe service taps shall be installed with a double flat-strap, all bronze "CC" threaded tapping saddle.
- Tapping sleeves shall be stainless steel.
- Ductile iron pipe service taps shall be threaded directly into the pipe wall.

Water Services

- All service lines shall be 1" min. to 2" max. type "K" soft copper with flare connection fittings.
- Connections shall be flared type fittings connecting copper service line to valves or adapters.
- Bullhead type services shall be used only with approval of the City Engineer.

Water Service Fittings

- Jones
- Ford
- Mueller
- McDonald

All pipe fittings within the meter or double check setting shall be bronze and/or copper.

Corporation Stops

- All corporation stops shall be bronze "CC" thread by copper flare and equipped with lock wings.

Curb Stops (prior to meter setter)

- Curb stops shall be all bronze ball valve, copper flare by male or female iron pipe thread (1" thru 2" curb stops can be angle stops) and equipped with lock wings.

Meter Setters

3/4"	Ford VBHC 72-95242-01	MIP x 3/4" DP	(When separate double check required, Ford V72-10W or equal).
1"	Ford VBHC 74-95242-03	MIP x 1" DP	(When separate double check required, Ford V74-12W or equal).

1 1/2" Ford VVF 76-12B-11-66 or equal

2" Ford VVF 77-12B-11-77 or equal

- All meter setters shall have a UL Approved Double Check, Back-siphonage Device installed on the discharge side of the meter loop within the City's right-of-way or dedicated easements adjacent to the right-of-way. For 1-1/2" and 2" meters, double check shall be in a separate box.
- All commercial, retail, and industrial meters shall be paid for by the contractor or builder and issued by the City Water Utilities Department (residential meters are issued by Building Inspections).
- Double check back-siphonage devices shall be Underwriters Laboratories approved. The device shall have test cocks for testing and shall be no higher than the center line of the meter and no lower than 6" below center line of the meter.
- All back-flow devices must be tested by a certified tester, approved by the City of Coppel, with the test results being forwarded to the Water Utilities Division.

Meter Boxes

- Bass and Hayes galvanized box with cast iron ring and lid.

Meters

- All meters shall be purchased from the City of Coppel and shall meet City of Coppel specifications.

Fire Hydrants

- Waterous Pacer - WB67-100
- Mueller - Super Centurion 250
- Kennedy - Guardian
- Clow
- M&H Valve

Meter Vaults

- See City of Coppell Standard Construction Details, latest version.

Double Detector Check Assemblies for Firelines

- Beginning February 1, 2006, the City of Coppell will no longer be furnishing double detector check valve assemblies for commercial and industrial fire line use. The responsibility for furnishing these assemblies will fall upon the developer or his designee.

The City of Coppell will accept three brands of double detector check assemblies:

- 1) The preferred assembly will be a Series 774DCDA or a Series 774XDCDA manufactured by *Watts Regulator Company*;
 - 2) Series 3000SS or Series 3000SE manufactured by *Ames Fire and Waterworks*; and
 - 3) Model 856 manufactured by *Febco Backflow Prevention*.
- **No other assemblies will be accepted.**
 - All applicable City specifications and details must still be met.
 - City Inspectors will ensure that assemblies are of the proper type and installed correctly.



**CITY OF COPPELL ENGINEERING DEPARTMENT
LIST OF APPROVED MATERIALS AND PRODUCTS
FOR SANITARY SEWER SERVICE**

NOTE: The use of brands, models and or materials other than those listed must be approved by the City engineer on a case by case basis.

Sewer Lines

- Green tracer tape 1 ft. above pipe
- PVC pipe- Green in color
- 8" thru 12" lines : SDR 35 to 15' bury depth
- 8" thru 12" lines : SDR 26 over 15' bury depth
- 14" and larger: PVC pipe (types approved on individual basis)

Rain Pans

- S.S.I. Sewershield (stainless steel) custom rain pan

Chimney Seals

- Cretcx-Internal chimney seal
- External Heat Shrink Seal (With City approval)

Clean-Outs

- Bass and Hayes #404 for areas where vehicle traffic is expected
- ATL-1504 or #404 (Plastic) for areas not considered vehicle traffic areas

Sewer Line Tapping Saddle

- PVC with stainless steel straps

Wastewater Access Device

- ATI



**CITY OF COPPELL ENGINEERING DEPARTMENT
LIST OF APPROVED MATERIALS AND PRODUCTS
FOR STREETS AND TRAFFIC CONTROL**

NOTE:

Please contact George Marshall, P.E., Traffic Engineer for City of Coppell at 972-304-3562 or email gmarshall@coppelltx.gov for a current list of approved materials.



Record-Drawing Content and Submittal Requirements

As required by Section XV of the City of Coppel Subdivision Regulations, signed and sealed Record-drawings (As-built plans) must be submitted by the Engineer of a project before final acceptance of the public improvements can be granted.

Public Improvements include, but are not limited to: Paving (in and out of the R.O.W.), water lines, sanitary sewer lines, storm sewer lines, sidewalks, ramps and other accessible routes, stamped concrete and engineered retaining walls.

For the purpose of this document, the terms "As-built" and "Record-drawing" shall be considered interchangeable and synonymous.

Section XV of the City of Coppel Subdivision Regulations reads as follows:

SUBDIVISION REGULATIONS - CITY OF COPPELL, TEXAS **SECTION XV - AS-BUILT PLANS**

SECTION XV - AS-BUILT PLANS

Prior to final acceptance by the City of the public improvements in the subdivision, the Engineer for the Developer shall submit to the Engineering Department a reproducible mylar set of drawings and two (2) sets of blue line prints of paving, drainage, water, sanitary sewer and other improvements showing all changes made in the plans during construction and containing on each sheet an "As-Built" stamp bearing the signature of the Engineer and the date.

If the design of the improvements was computer generated, a diskette shall be submitted containing all improvements in an AutoCad format that can be transferred to the City's data base.

END OF SECTION

Record-Drawing Submittal Procedures

1. Upon substantial completion of the Civil improvements of the Project, as determined by a City of Coppell Engineering inspector, the construction plans documenting any and all contractor changes or deviations from the plans as originally approved should be returned to the Project Engineer for revision.
2. The Project Engineer shall revise the construction plans to reflect the "as-constructed" state of the Project. These revised plans shall bear the Project Engineer's seal, signature, date and "As-Built" or "Record-Drawing" stamp on each sheet.
3. One 24"x36" (D-size) paper copy of the "Record-Drawing" construction plans shall be delivered to the City of Coppell Engineering Department for review. Upon review completion, one of the following will occur:
 - a. The Project Engineer will be notified that the Record- Drawings are acceptable with no comments.
 - b. The Project Engineer will be notified that the Record- Drawings contain City of Coppell Engineering Department comments. The construction plans will be returned to the Project Engineer for revision and re-submittal for final approval.
4. At such time that the Record-Drawings are deemed acceptable by the City of Coppell Engineering Department, the Project Engineer shall submit the following items to the Engineering Department:
 - a. Two sets of Architectural D-size Record-Drawings on paper.
 - b. One set of Architectural D-size Record-Drawings on Mylar.
 - c. One CD containing the electronic files of the Record-Drawings in AutoCad .dwg format, release 2007 or later version. Ensure that any X-ref layers or linked images are included.

5. Completion of steps 1-4 will result in the Record-Drawing submittal portion of the final acceptance process being satisfied.

Common Record-Drawing Submittal Pitfalls

The City of Coppell Engineering Department will make every effort to assist in the successful submittal of engineering Record-Drawings. It is understood that every project has its share of complications; however, the following "reasons" for incorrect or non-existent Record-Drawings are unacceptable:

- The drawings were sent to the "City". *(Submittals must be sent to the Engineering Department accompanied by a submittal letter).*
- The drawings were sent to the architect. *(Submittals must be sent to the Engineering Department accompanied by a submittal letter).*
- The drawings were sent to the owner. *(Submittals must be sent to the Engineering Department accompanied by a submittal letter).*
- The drawings were sent to the contractor. *(Submittals must be sent to the Engineering Department accompanied by a submittal letter).*
- Record-drawings were not in the contract. *(Record-Drawings must be submitted and approved before acceptance of a project).*
- The project is on private property. *(Even a project which is constructed entirely on private property can contain elements which fall within the jurisdiction of the Engineering Department, i.e.: Public utility taps/tie-ins, paving, accessibility, utility conflicts, easements and R.O.W.).*
- "We gave them to somebody." *(This is where the submittal letter comes in handy. It would show to what department the drawings were delivered and who signed for them).*

Summary

Record-Drawings are essential to the maintenance of the City's municipal infrastructure database. Public works departments, developers, contractors, consulting engineers, government agencies, police and fire departments,

educators and citizens all depend on Record-drawing information. Accurate and complete data is essential to reducing errors, mis-information and utility disruptions.

Thank you in advance for your cooperation.

City of Coppell
Engineering Department
265 Parkway Blvd.
Coppell, TX 75019
972/304-3679
engineer@coppelltx.gov

www.coppelltx.gov

DISCLAIMER

The attached information is for use at the recipient's own risk. The City of Coppell makes no warranty, express or implied, as to the accuracy or usability of the information for any given purpose.

Information or intellectual property, which is deemed proprietary, shall be used only with the permission of the originator.

Record drawings are based on information provided by others. The City of Coppell shall not be held responsible for any errors, omissions or additions which may be incorporated herein as a result.

SUBDIVISION REGULATIONS - CITY OF COPPELL, TEXAS
SECTION XIV - ACCEPTANCE OF THE SUBDIVISION

SECTION XIV - ACCEPTANCE OF THE SUBDIVISION

- A. After completion of all items required in the plans and specifications, the Developer's Contractor shall submit to the City a maintenance bond in the amount of fifty percent (50%) of the Contract amount guaranteeing workmanship and materials, of all public improvements, for a period of two years from the date of final acceptance by the City. The City Engineer or his designated agent shall verify that all items have been completed, including the filing of the plat and all related easements and documents, payment of pro rata fees for water and sewer services, payment of required water and sanitary sewer and roadway impact fees, etc. The City Engineer or his designated agent, shall conduct a final inspection/walk through of the project and, if all work is found to be acceptable, shall issue a **Letter of Acceptance**. If the work is not acceptable, a "punch list" of items to be completed will be given to the Contractor. Additional inspections/walk throughs will be scheduled as needed until the work is acceptable and a Letter of Acceptance is issued.
- B. Acceptance of the subdivision shall mean that title to all dedicated improvements is vested in the City of Coppel. The Developer and his Contractors shall, however, be responsible for a period of two years to repair any defects in the accepted dedicated improvements that are covered by the maintenance bond.

END OF SECTION

MAINTENANCE BOND

STATE OF TEXAS }

COUNTY OF DALLAS }

KNOW ALL MEN BY THESE PRESENTS: THAT _____

_____ as Principal,
and _____, a corporation organized
under the laws of _____, as sureties,
do hereby expressly acknowledge themselves to be held and bound to pay unto the
_____, a Municipal Corporation, Texas, the sum of
_____ Dollars and
_____ Cents (\$ _____) , for the payment of which sum
will and truly be made unto said _____, and its successors, said
principal and sureties do hereby bind themselves, their assigns and successors jointly and
severally.

THIS obligation is conditioned; however, that whereas, the said
_____ has this day entered into a written contract with the said
_____ to build and construct
_____ which contract and the plans and specifications therein mentioned, adopted by the
_____ are hereby expressly made a part thereof as through the same
were written and embodied herein.

WHEREAS, under the plans, specifications, and contract, it is provided that the Contractor will maintain and keep in good repair, the work herein contracted to be done and performed, for a period of two (2) years from the date of the acceptance of said work, and to do all necessary repairs and/or reconstruction in whole or in part of said improvements that should be occasioned by settlement of foundation, defective workmanship or materials furnished in the construction or any part thereof or any of the accessories thereto constructed by the Contractor. It being understood that the purpose of this section is to cover all defective conditions arising by reason of defective material and charge the same against the said Contractor, and sureties on this obligation, and the said Contractor and sureties hereon shall be subject to the liquidation damages mentioned in said contract for each day's failure on its' part to comply with the terms of said

provisions of said contract. Now, therefore, if the said Contractor shall keep and perform its' said agreement to maintain said work and keep the same in repair for the said maintenance period of two (2) years, as provided, then these presents shall be null and void, and have not further effect, but if default shall be made by the said Contractor in the performance of its' contract to so maintain and repair said work, then these presents shall have full force and effect, and said _____ shall have and receive from the said Contractor and its' principal and sureties damages in the premises, as provided; and it is further agreed that this obligation shall be a continuing one against the principal and sureties, hereon, and that successive recoveries may be and had hereon for successive branches until the full amount shall have been exhausted; and it is further understood that the obligation herein to maintain said work shall continue throughout said maintenance period; and the same shall not be changed, diminished or in any manner affected from any cause during said time.

IN WITNESS WHEREOF, the said _____ has caused these presents to be executed by _____ and the said _____ has caused these presents to be executed by its Attorney in fact and the said Attorney in fact _____, has hereunto set his hand, the _____ day of _____, 20____.

PRINCIPAL

SURETY

By: _____

By: _____

Title: _____

Title: _____

WITNESS:

ATTEST:

NOTE: Date of Maintenance Bond must not be prior to date of Contract.

ONLINE DOCUMENT GUIDE & WEBSITE/EMAIL ADDRESSES

The City of Coppell Standard Construction Details can be located at:

<http://www.coppelltx.gov/standard-construction-details>

The City of Coppell Erosion and Sedimentation Control Ordinance can be located at:

<http://www.coppelltx.gov/construction/erosion-control-code>

The City of Coppell Noise Ordinance can be located at:

<http://www.coppelltx.gov/construction/noise-ordinance>

The City of Coppell Stamped Concrete Ordinance can be located at:

<http://www.coppelltx.gov/subdivision-ordinance>

The City of Coppell Tree Preservation regulations can be located in the *Zoning Ordinance, Chapter 12* containing regulations including, but not limited to: permitted uses, height, area, density, landscaping, **tree preservation**, screening, and signage. (Be advised, this is a large document and will take some time to load.) An online version of the ordinance is available at www.municode.com

City Departments' website and email addresses:

<http://coppelltx.gov/engineering-main>

engineer@coppelltx.gov

<http://coppelltx.gov/environmental-health-main>

evhealth@coppelltx.gov

<http://coppelltx.gov/parks-rec-main>

Parks@coppelltx.gov

<http://coppelltx.gov/planning-main>

planning@coppelltx.gov

<http://coppelltx.gov/streets-division>

streets@coppelltx.gov

<http://coppelltx.gov/traffic-control-division>

streets@coppelltx.gov

<http://coppelltx.gov/utility-operation-division>

utility@coppelltx.gov

<http://coppelltx.gov/trash>

evhealth@coppelltx.gov

AN ORDINANCE OF THE CITY OF COPPELL, TEXAS

ORDINANCE NO. 91514

EROSION AND SEDIMENTATION CONTROL CODE

AN ORDINANCE OF THE CITY OF COPPELL, TEXAS AMENDING THE CODE OF ORDINANCES OF THE CITY BY ADDING THESE TO A NEW ARTICLE 15-8 TO BE KNOWN AS THE CITY OF COPPELL EROSION AND SEDIMENTATION CONTROL CODE DESIGNED TO MINIMIZE EROSION AND SEDIMENTATION FROM PRIVATE PROPERTY ONTO PUBLIC PLACES AND PUBLIC RIGHTS-OF-WAY; STATING THE PURPOSE AND SCOPE OF THE CODE; MAKING IT UNLAWFUL TO PERMIT A PUBLIC EROSION NUISANCE; DEFINING A PUBLIC EROSION NUISANCE; PROVIDING NOTICE PROVISIONS; PROVIDING A PENALTY OF FINE NOT TO EXCEED THE SUM OF FIVE HUNDRED DOLLARS (\$500.00) FOR EACH OFFENSE AND PROVIDING THAT SEPARATE OFFENSE SHALL BE DEEMED COMMITTED EACH DAY DURING OR ON WHICH A VIOLATION OCCURS OR CONTINUES; PROVIDING FOR THE DUTIES OF THE CITY AND THE RESPONSIBILITIES OF THE OWNER; PROVIDING FOR AN EROSION AND SEDIMENTATION CONTROL PLAN TO BE SUBMITTED BY DEVELOPERS; PROVIDING FOR SURETIES TO BE PROVIDED BY DEVELOPERS; PROVIDING FOR STOP WORK ORDERS TO BE ISSUED FOR VIOLATIONS; PROVIDING FOR INJUNCTIVE RELIEF AND PROVIDING AN EFFECTIVE DATE.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE COPPELL, TEXAS:

ARTICLE 15-8: EROSION AND SEDIMENTATION CODE

Sec. 15-8-1 FINDINGS OF FACT, PURPOSE, AUTHORITY, RELATED ORDINANCES

A. FINDING OF FACT

The City of Coppel has in the past experienced significant soil erosion and sedimentation problems. Large quantities of earth have been displaced from private property onto drainage easements, storm drains and other public places, access easements, public easements and public rights-of-way. Erosion is a dangerous activity in that it contaminates water supplies and water resources. Excessive sedimentation clogs watercourses, drainage easements and storm drains, and causes flooding which results in substantial damage to public and private lands. These problems result in a serious threat to the health, safety and general welfare of the community.

B. STATEMENT OF PURPOSE

This ordinance sets forth the minimum performance standard necessary to protect against erosion and sedimentation problems within the City of Coppel and to establish the various public and private responsibilities for providing this protection. It is the intent of this ordinance to set forth performance standards which all erosion and sedimentation controls must, at a minimum, meet. It

shall be the duty and responsibility of all persons, firms or corporations to which this ordinance applies, to design and implement erosion and sedimentation control measures which meet the performance standards contained in this ordinance. Further, it is the purpose of this ordinance to:

- (1) Protect human life, health and property;
- (2) Minimize expenditures of public money for cleaning sediment out of streets, sidewalks, storm drains and watercourses;
- (3) Ensure that those who expose soil to possible erosion losses are minimizing those soil losses;
- (4) Preserve the natural beauty and aesthetics of the community;
- (5) Prevent the pollution of streams, ponds and other watercourses by sediment.
- (6) Provide for restoration of sites to reduce the negative environmental impacts of construction activity.

C. SCOPE OF AUTHORITY

The provisions of this ordinance apply to:

- (1) Any person, firm, corporation or business proposing to develop land or improve property within the City of Coppell;
- (2) Any person, firm, corporation or business currently developing land or improving property within the City of Coppell; and
- (3) Any person, firm, corporation or business who owns, possesses, is in custody of, or exercises control of, property within the City of Coppell.

This ordinance applies to individual building structures, subdivisions, excavations and fill operations, all development and all other similar development activities.

D. RELATED ORDINANCES

Besides this ordinance, the City of Coppell has other ordinances, regulations, and specifications possibly affecting erosion and sedimentation control. In the event of a conflict between this ordinance and any other ordinances of the City of Coppell, the most restrictive ordinance shall govern.

Sec. 15-8-2 APPLICABILITY, NOTICE AND ABATEMENT

A. LANDS TO WHICH THIS ORDINANCE APPLIES

All properties (lands) within the City of Coppell are subject to this ordinance.

B. OFFENSE OF FAILING TO PREVENT A PUBLIC EROSION NUISANCE

It shall be unlawful for any person, firm or corporation which owns, possesses, is in custody of or exercises control of property to permit a public erosion nuisance to occur on said property. A public erosion nuisance is an occurrence where erosion of, or sediment from, one location causes an unsafe, bothersome, or unsightly condition on public property and public rights-of-way. An unsafe, bothersome or unsightly condition or burden includes silt, mud or similar debris, originating on one property but being deposited onto a second off-site property, which is public property or a public right-of-way from which the City of Coppell may have to remove or clean up the deposit due to liability, statutory, aesthetic, drainage or property damage concerns. Examples include, but are not limited to:

- (1) Excessive sedimentation in storm drains, drainage easements and watercourses caused by erosion; and
- (2) Excessive sedimentation on public streets, sidewalks, alleys, easements and other rights-of-way caused by erosion.

It is not a violation of this ordinance if erosion and sedimentation occurs upon private property and is deposited upon private property. Only erosion and sedimentation which impacts upon public property and public rights-of-way are governed by this ordinance.

C. NOTICE PROVISIONS

It shall be the duty of the City Engineer or his designee to give forty-eight hours (48 hours) notice, in writing, to the owner or agent in charge of any premises believed to be in violation of this ordinance, to correct the public erosion nuisance and to clean up and remove the offending and burdensome sedimentation.

A notice of less than 48 hours may be given in the event that the City Engineer decides, in his judgement, that the situation believed to be in violation of this ordinance poses a substantial and immediate threat to public health, safety, and welfare.

D. VARIANCES

The City of Coppell City Council may grant a written variance from the provisions of this ordinance if strict adherence to requirements will result in unnecessary hardship and not fulfill the intent of this ordinance. The owner shall submit a written request for a variance to the City of Coppell. The request shall state the specific variances sought and reasons for requesting the variance. The City of Coppell shall not grant a variance unless and until sufficient specific reasons justifying the variance are provided by the owner.

E. ABATEMENT BY CITY

In the event that the owner of any lot, tract, parcel of land, or a portion thereof situated within the corporate limits of the city shall fail to comply with this ordinance, then the City Engineer, or his designee, shall notify such owner by letter, addressed to him at the address shown on the last approved tax rolls of the City or at any residence or business structure located on subject property or at the last known address. The mailing of notice in accordance with any of the above shall satisfy this section. In the alternative, the city may notify the owner by publication in the City's official newspaper on one (1) occasion. At the expiration of ten (10) days after notification or publication, the city may enter upon such premises and may do such work as is necessary, or cause the same to be done, in order that the premises may comply with the requirements set forth within this ordinance. A statement of the cost incurred by the city to abate such condition shall be mailed to the owner of said premises, which statement shall be paid within thirty (30) days of the date of the mailing thereof. In the event that said statement has not been paid within such period, the City Manager may file a statement with the Dallas County Clerk of the expenses incurred to abate such condition on said premises, and the city shall have a privileged lien on any lot, tract or parcel of land upon which such expense is incurred, together with ten (10) percent on the delinquent amount from the date such payment is due. For any such expenditure and interest, as aforesaid, suit may be instituted and recovery and foreclosure had in the name of the city and the statement so made, as aforesaid, or a copy thereof shall be prima facie proof of the amount expended in any such work performed by the city.

The City Manager or his designee shall file a statement of expenses incurred, giving the amount of such expenses, the date on which said work was done or improvements made, with the county clerk; and the city shall have a privileged lien on such lots or real estate upon which

said work was done or improvements made to secure the expenditures so made, in accordance with the provisions of Subchapter "A" of Chapter 342 of UTCA Health and Safety Code, which lien shall be second only to tax liens and liens for street improvements; and said amount shall bear ten (10) percent interest from the date said statement was filed. Further, for any such expenditures and interests as aforesaid, suit may be instituted and recovery and foreclosure of said lien may be had in the name of the city; and the statement of expenses so made, as aforesaid, or a certified copy thereof, shall be prima facie proof of the amount expended for such work or improvements.

Sec. 15-8-3 DUTIES AND RESPONSIBILITIES

A. DUTIES OF CITY OFFICIALS

The City Engineer is hereby appointed to administer and implement this ordinance. The duties of the City Engineer or his designee shall include, but not be limited to:

- (1) Inspecting sites to determine compliance with this ordinance;
- (2) Determining if sureties shall be exercised. If so, the City Engineer shall arrange for the work to be done, and if not, the City Engineer shall return the sureties to the applicant; and
- (3) Determining if a "stop work order" shall be issued and, if so, when the "stop work order" shall be removed from the project or construction, and work allowed to commence or recommence.

B. RESPONSIBILITIES OF OWNERS

The owner, builder, developer, tenant, or any other person, firm, or corporation who owns, possesses, is in custody of, or exercises control of, property shall be responsible for any silt, mud, or sands transported from the property by drainage. The intent of this ordinance is that owners, builders, and developers make provisions for preventing erosion and sedimentation problems at such time as their property is proposed for development, use, or modification, and to continue such preventive measures during the actual construction and development of the property. Additionally, all persons, firms, or corporations who, after construction and development, own, possess, are in custody of, or exercise control of, the property are responsible for preventing the erosion and sedimentation problems addressed by this ordinance.

Sec. 15-8-4 ADMINISTRATION, EROSION AND SEDIMENTATION CONTROL METHODS,
APPROVALS, SURETY

A. STANDARD FOR NEW SUBDIVISIONS

In addition to those requirements for subdivisions found in Code of Ordinances, City of Coppell, Texas, all applicants for subdivision of land shall submit to the City Engineer an erosion and sedimentation control plan for approval prior to the commencement of construction. The erosion and sedimentation control plan shall be included in the engineering construction plans.

B. EROSION AND SEDIMENTATION CONTROL PLAN

The objective of the Erosion and Sedimentation Control Plan is to prevent public erosion nuisances. The prevention of public erosion nuisances can be promoted, in part, by the following goals:

- (1) Reduce sedimentation in streams, creeks, lakes, waterways, storm drains, etc.
- (2) Protect the quality of the water in the City of Coppell.
- (3) Provide, protect, and preserve wildlife habitat.
- (4) Provide for restoration of sites to reduce the negative environmental impacts of construction activity.

See Exhibit 'A' Pages 12 to 17 providing examples on erosion control methods.

C. METHODS OF REDUCING EROSION AND SEDIMENTATION

In order to implement the objectives stated above, the following design considerations are necessary:

- (1) Limit the size of disturbed areas to the greatest extent possible.
- (2) Stabilize any disturbed area as soon as possible.
- (3) For construction activities in waterways, the following additional requirements must be met.
 - (3-1) At the end of each working day the Contractor shall remove all loose excavated material from the channel.
 - (3-2) No construction or fill materials can be

stored within the limits of the channel. All equipment and materials storage and staging areas must have erosion controls.

- (3-3) Rock berms or sand bag berms shall be used to entrap sediment.
- (3-4) Flooding potential should be considered when locating the control measures.
- (4) Controls are required to intercept silt from all disturbed areas.
- (5) Keep the velocities of stormwater runoff below the erosive level.
- (6) Protect street areas and areas disturbed by development activity from upstream runoff.
- (7) Capture and filter/drain stormwater runoff.
- (8) Minimize the extent of sediment leaving the project site.
- (9) Reduce flooding hazards and silt removal cost associated with excessive sediment accumulation in storm drains and waterways.
- (10) Reduce the concentration of stormwater runoff and promote street flow to greatest extent possible.
- (11) Revegetate all disturbed areas with a rapid, vigorous growth of long-term vegetation composed of a mixture of grasses, forbs and woody plants.
- (12) Provide sedimentation and/or filtration pond to maintain and improve water quality.
- (13) Erosion control plans should be phased to accommodate for changes in drainage patterns that occur during development.
- (14) Reduce the silt leaving a construction site on the wheels of construction vehicles by providing vehicle washing areas and/or established construction entrances and exits.
- (15) Preserve and protect existing vegetation to the greatest extent possible.
- (16) Planning should consider the natural topography and soil condition in an attempt to limit the erosion potential.

- (17) Design erosion/sedimentation controls to harmonize with natural character of the lands.
- (18) When storm drain inlets must be protected, a perimeter filtration dike shall be used (triangular filtration dike or hay bale dike).

The above listed considerations are illustrative only, and are not to be considered an exhaustive list of criteria an effective erosion, and sedimentation plan should address in order to prevent a public erosion nuisance.

It shall be the sole responsibility of the applicant to prepare and submit an erosion and sedimentation control plan which meets the requirements of the City of Coppell and this ordinance.

The plan shall include sufficient information to evaluate the environmental characteristics of the effected areas, the potential impacts of the proposed grading on water resources, and the effectiveness and acceptability of measures proposed to minimize soil erosion and off-site sedimentation. The applicant shall certify on the drawings that all clearing, grading, drainage, construction, and development shall be conducted in strict accordance with the plan.

D. EFFECT OF APPROVAL

It is to be understood that the approval of an Erosion and Sedimentation Control Plan by the Engineering Department does not constitute a recognition by the City that the Erosion and Sedimentation Control Plan will prevent any, or all, public erosion nuisances. By approval of the Erosion and Sedimentation Control Plan, the City does not warrant that the Erosion and Sedimentation Control Plan will be sufficient to prevent a public erosion nuisance, and the City waives no rights to pursue any legal remedies, both under this ordinance, and all other applicable ordinances and laws.

If for any reason, after an Erosion and Sedimentation Control Plan is approved by the Engineering Department, a public erosion nuisance occurs on property addressed by said Erosion and Sedimentation Control Plan, the approval of said Erosion and Sedimentation Control Plan shall not be a defense or bar to prosecution under this ordinance.

E. WARNING AND DISCLAIMER OF LIABILITY

The planning considerations given in this ordinance for erosion controls rely on a degree of erosion and sedimentation control and flood protection that is considered reasonable for regulatory purposes and that is

based on scientific, engineering, and economic considerations. This ordinance does not imply that erosion and sedimentation controls will survive inundation by runoff from storms or that land below such controls will be free from flooding or flood damages. This ordinance shall not create liability on the part of the City of Coppell, or any officer or employee thereof, for any flood damages, or erosion or sedimentation damages, whether to persons or property, that result from reliance on this ordinance or any administrative decision lawfully made thereunder.

F. SURETY FOR PERMANENT EROSION CONTROLS IN NEW SUBDIVISIONS

The applicant shall provide a surety in the form of cash, certificate of deposit, surety bond, or irrevocable letter of credit acceptable to the City to insure that vegetative cover and other permanent erosion control measures are installed, maintained, and functioning properly up to a two (2) year period from the date of final acceptance of the dedicated streets and/or utilities by the City of Coppell. This surety shall be given to the City before the final acceptance of the streets and/or utilities. This surety shall be in the amount estimated by the Developer, which is 100 percent of the cost of constructing and maintaining the permanent erosion controls for a two-year period. However, such estimate is subject to review by the City Engineer and may be rejected, and the surety not accepted, if the City Engineer deems the estimate not to be a reasonable approximation of the costs of constructing and maintaining the erosion controls.

Should the vegetative cover die or become sparse or the erosion controls fail to be maintained or are not functioning during this two-year period, the City may notify applicant in writing. The applicant has ten (10) days after being notified to begin correcting the problems. If no corrections are started, the City may make the necessary repairs by exercising the surety or billing the applicant. If at the end of the two-year period the vegetative cover is still not established or is sparse, or the erosion controls are not functioning, the City may exercise the surety and have the erosion controls installed and established.

The above procedures for ensuring that vegetation is established shall apply to all projects, whether or not the vegetation is the long-term maintenance responsibility of the City. Any vegetative cover which is planted and is a permanent part of the improvement project will not be accepted by the City until the growth has been established

and maintained by the developer for a two (2) year period from the date of final acceptance of the subdivision.

After the two-year period has elapsed, the owner of the property shall be responsible for maintaining the erosion controls in good working order. If any future owner modifies or disturbs the erosion controls for the area, that owner must restore or replace the permanent erosion controls at the conclusion of the disturbing activity.

G. STOP WORK ORDERS

All development, improvement, and construction on any land which is in violation of the provisions of this ordinance may be halted and stopped by order of the City Engineer. No stop work order may be issued until the notice provisions of this ordinance are fully complied with by the City and the owner or agent of the premises is given reasonable time period to correct the public erosion nuisance and to clean up and remove the offending and burdensome sedimentation.

Sec. 15-8-5 SEVERABILITY

If any section, article, paragraph, sentence, clause, phrase or word in this ordinance, or application thereof to any person or circumstance, is held invalid or unconstitutional by a Court of competent jurisdiction, such holdings shall not affect the validity of the remaining portions of the ordinance, and the City Council hereby declares it would have passed such remaining portions of the ordinance despite such invalidity, which remaining portions shall remain in full force and effect.

Sec. 15-8-6 PENALTY

Any person violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Five Hundred Dollars (\$500.00) and a separate offense shall be deemed committed upon each day during or on which violation occurs or continues.

Sec. 15-8-7 EFFECTIVE DATE

This ordinance shall take effect immediately from and after its passage and the publication of the caption as the law in such cases provides.

DULY PASSED by the City Council of the City of Coppell, Texas, on the 23 day of July, 19 91.

APPROVED:


MAYOR

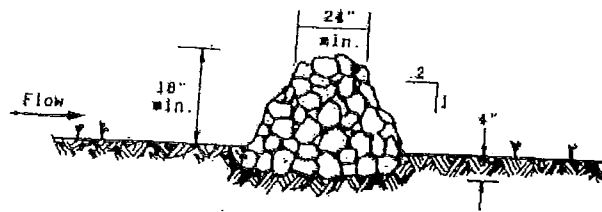
ATTEST:


CITY SECRETARY

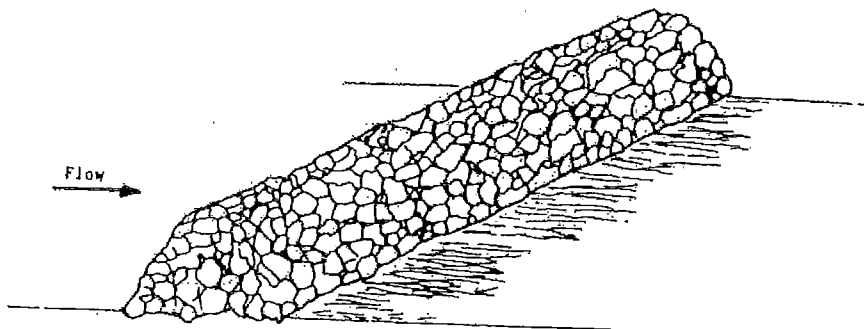
APPROVED AS TO FORM:


CITY ATTORNEY

ROCK BERM (N.T.S.)

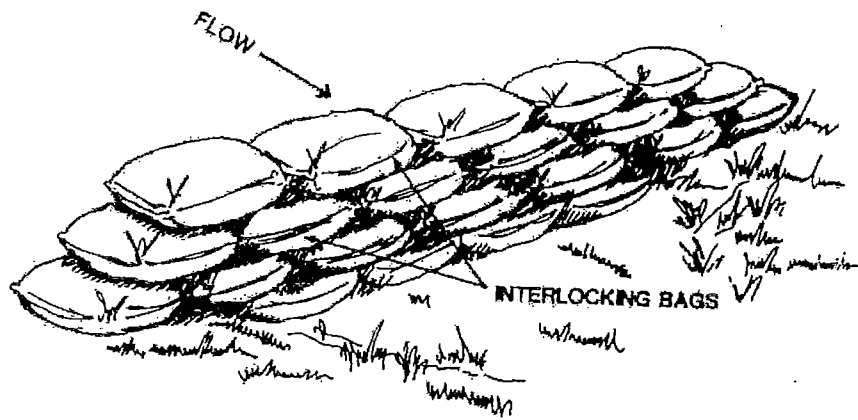


CROSS SECTION



PLAN VIEW

Sand bag barrier



ANCHORING DETAIL

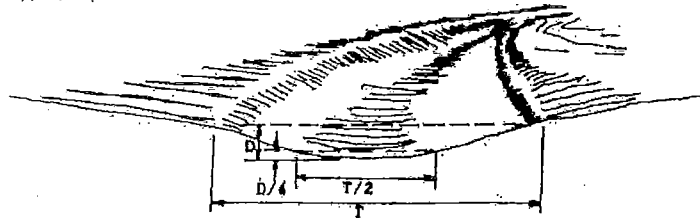
GRASS-LINED SWALE

SERVING DRAINAGE AREAS
GREATER THAN 5 ACRES

Note: Low flow channels may or may not be required, depending on the individual site.



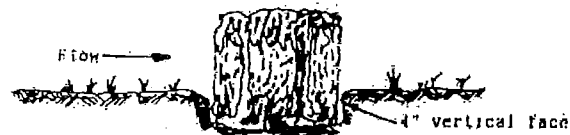
TRAPEZOIDAL CROSS-SECTION



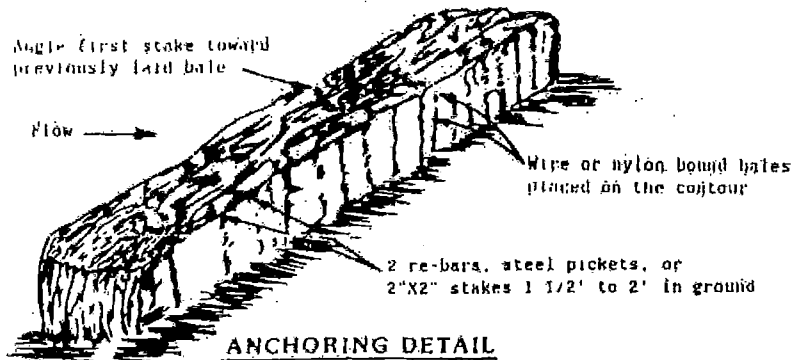
PARABOLIC CROSS-SECTION

HAY BALE DIKE

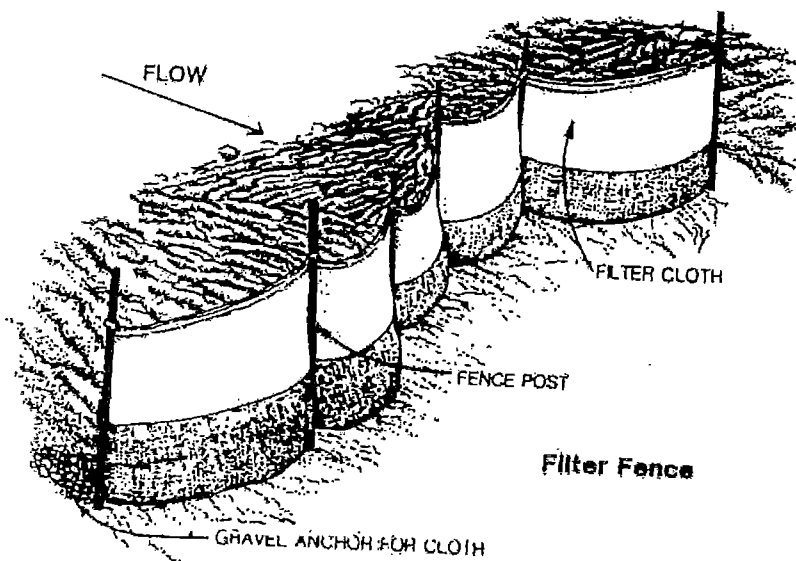
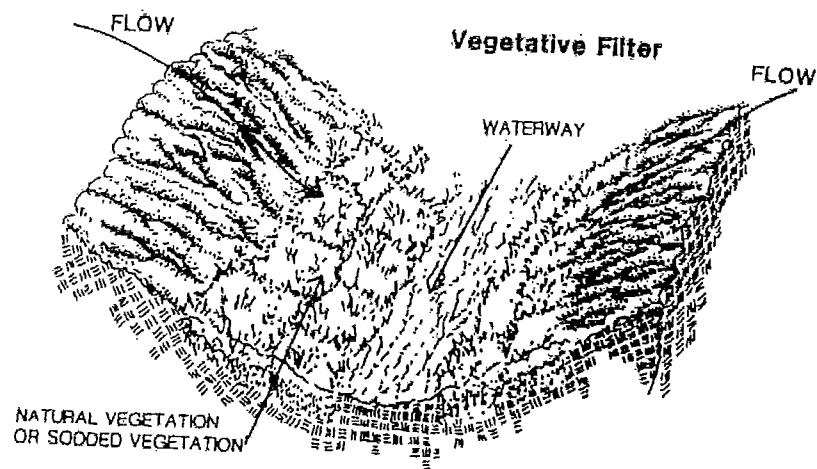
(N.T.S.)



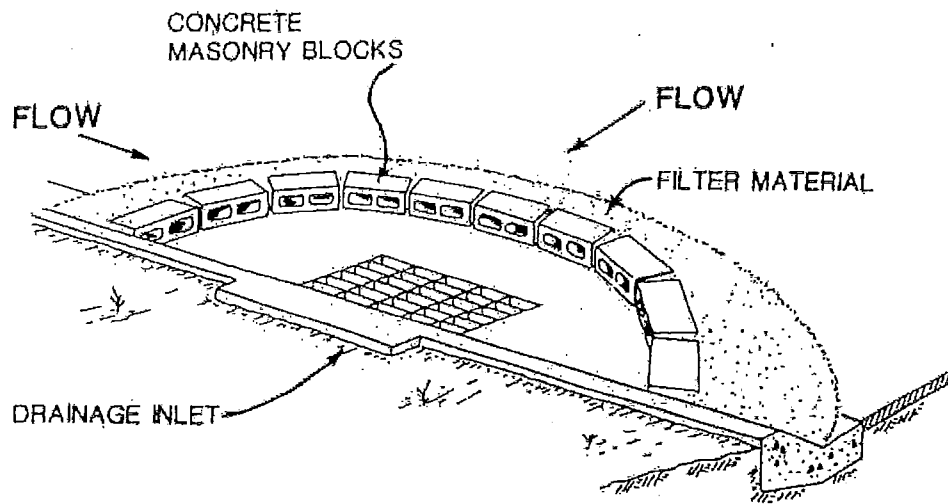
EMBEDDING DETAIL



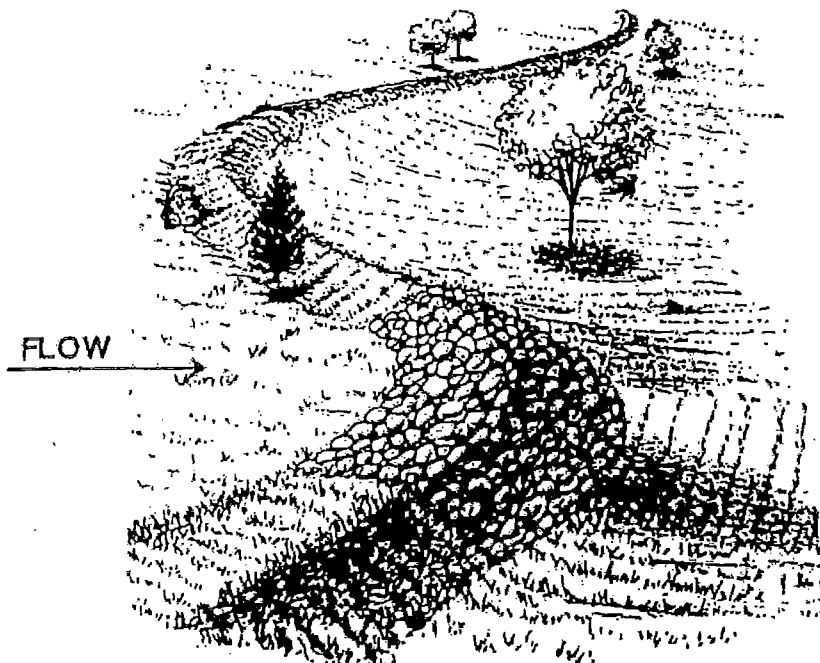
ANCHORING DETAIL



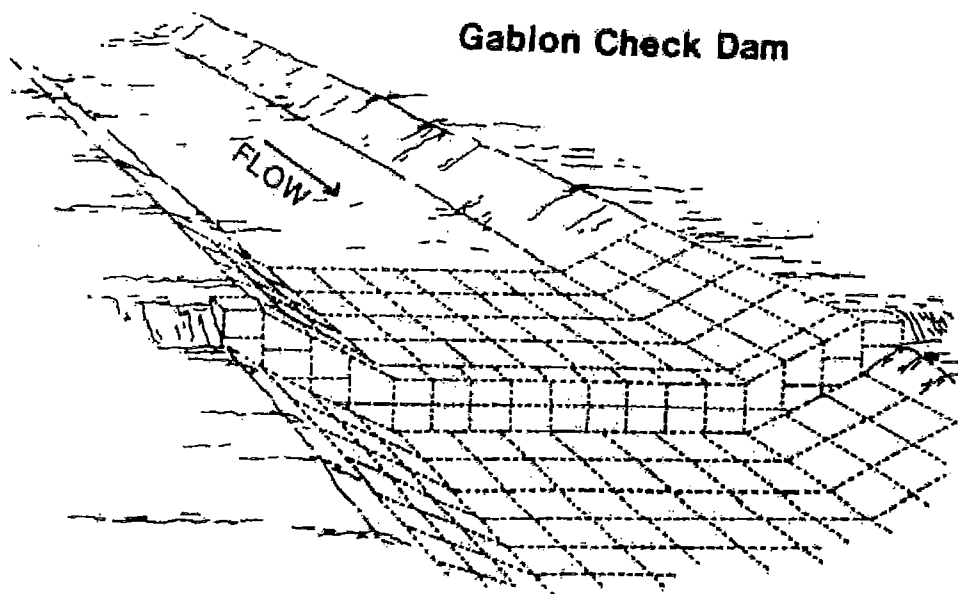
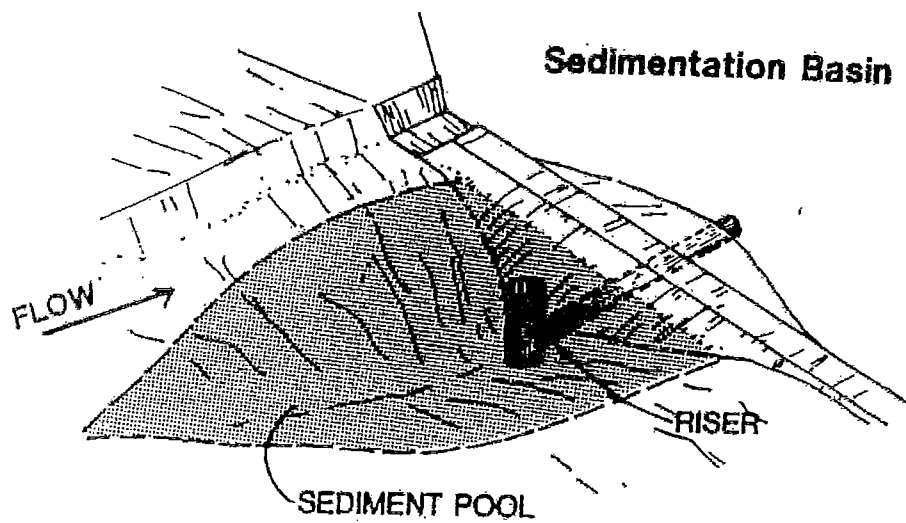
Erosion Control Filters



Filter Inlet

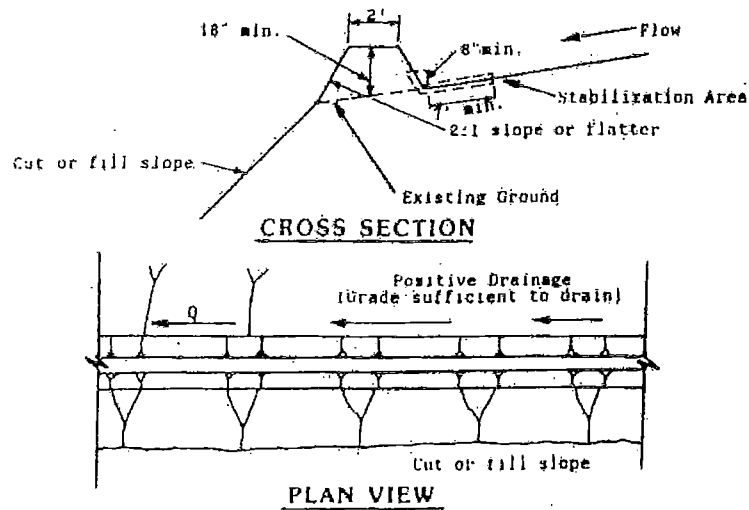


Filter Berm



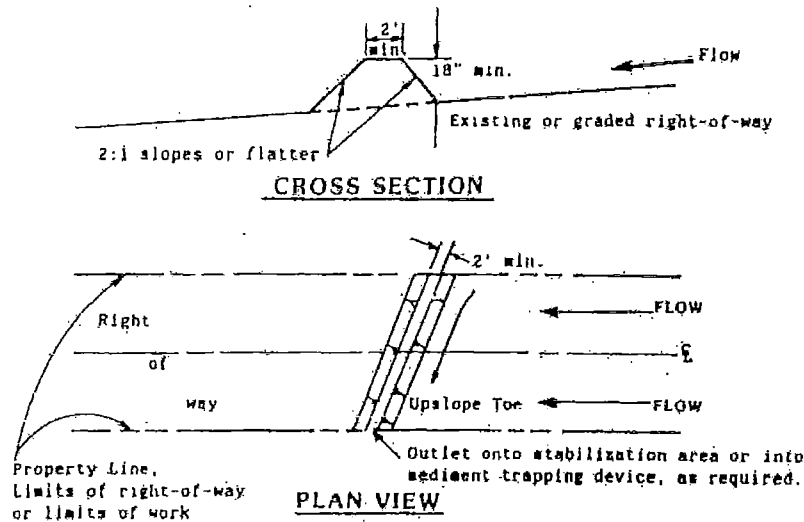
DIVERSION DIKE-SOIL

(N.T.S.)



INTERCEPTOR DIKE-SOIL

(N.T.S.)



This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

AN ORDINANCE OF THE CITY OF COPPELL, TEXAS

ORDINANCE NO. 2002-979

AN ORDINANCE OF THE CITY OF COPPELL, TEXAS, AMENDING THE SUBDIVISION ORDINANCE NO. 94643, BY AMENDING APPENDIX C, SECTION I F(2) and (4); APPENDIX C, SECTION VIII B; APPENDIX D, SECTION VI A, B, C, AND D; APPENDIX D, SECTION VIII A AND I; AND FIGURES 3, 4A, 4B, 5, 7, 8, 9, 10, 11 AND 24 TO ALLOW FOR THE USE OF STAMPED CONCRETE; PROVIDING A REPEALING CLAUSE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A SAVINGS CLAUSE; PROVIDING FOR A PENALTY CLAUSE OF A FINE NOT TO EXCEED TWO THOUSAND DOLLARS (\$2,000) FOR EACH OFFENSE; AND PROVIDING AN EFFECTIVE DATE.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF COPPELL, TEXAS:

SECTION 1. That Ordinance No. 94643 of the City of Coppell, Texas as heretofore amended be and the same is hereby amended by amending to read as follows:

"Appendix C, Section I, paragraph F

-
2. Intersection Treatment. Stamped Concrete shall be used in both street and sidewalk construction.
 4. Entry Ways. Stamped Concrete is required at all entries to Subdivisions, Commercial shopping centers, and Industrial parks. Concrete pavers may be considered at entrances to Commercial shopping centers and Industrial parks if the installation is not within a dedicated right-of-way of the City of Coppell. Stamped Concrete is also to be used at major, secondary, and minor intersections according to guidelines set forth in the approved Streetscape Plan, and to delineate all pedestrian/bike path crossings at streets. Stamped Concrete shall be Red Clay - Bomanite Integral Color with Bomanite Natural Gray release, or an approved equal and Gunmetal Gray - Bomanite Integral Color with Cobblestone Gray Release, or an approved equal. The pattern will be Running Bond Used Brick. In areas where Concrete pavers are allowed i.e., entrances to Commercial shopping centers and Industrial parks, the City standard paver is Pavestone "Uni-Décor" interlocking or approved equal. The paver is approximately 3 1/8" thick, pigmented and the following color application shall be followed: antique red shall be the standard color, light gray shall be used as accent banding. Accent banding is to be 4" x 8" rectangular paver, "Holland Stone" or approved equal.

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Concrete pavers must be saw cut. Block cutters will not be allowed. All pavers are to be set into a 1" sand leveling bed, on a sub-base of reinforced concrete paving, as per the City of Coppell Standard Construction Details unless alternative paving materials or methods of installation are approved by the City Engineer. They shall be acceptable, if they are comparable in quality, color, texture, and integrity to the City Standard assigned to pavers.

....."

"Appendix C, Section VIII

.....

- B. Sidewalks. Stamped Concrete shall be incorporated into the design of sidewalks along arterials according to the guidelines established in the approved Streetscape Plan. ...

....."

"Appendix D, Section VI

- A. Thoroughfare Design

.....

Median noses at left turn lanes will be covered with stamped concrete. If concrete paver bands currently exist within the roadway, concrete pavers may be considered upon approval.

Pedestrian/bike path crossings at streets will be defined by red clay stamped concrete.

.....

- B. Intersection Design

.....

..... Crosswalks 15 feet or 12 feet wide shall be constructed in red clay stamped concrete. Stamped Concrete will also be used on the corners where pedestrians will be standing. The area of major intersections bounded by stamped concrete bands should be highlighted by Gunmetal Gray stamped concrete (Figure 4A) if engineering proves practical.

The third level of intersection design is used to define minor intersections. Crosswalks are eight feet wide and shall be constructed in with red clay stamped concrete with no edge banding.

Ord. # 2002-979

C. Edge Design

.....

..... The drainage spillways should be masked with stamped concrete, concrete pavers or stone to soften their appearance.

D. Entry Point Design

.....

Entry points are designed to create a sense of arrival in the City, both visually and textually. For major entry points, a twenty foot band or crosswalk of red clay stamped concrete should stretch across the street, creating a visual and textural sense of arrival. The crosswalk could further be defined by two bands of Gunmetal Gray stamped concrete on both edges, if practical.

Medians at all entry points should receive special treatment in that the nose should be covered with red clay stamped concrete. Secondary entry points should have a 15' crosswalk with stamped concrete defining each edge.

....."

"Appendix D, Section VIII

..... These include stamped concrete.

- A. Stamped Concrete: The City standard for stamped concrete for use at intersections, City entry points, at development/subdivision entry features and to delineate all pedestrian/bike path crossings of streets is Red Clay - Bomanite Integral Color with Bomanite Natural Gray release, or an approved equal and Gunmetal Gray - Bomanite Integral Color with Cobblestone Gray Release in a Running Bond Used Brick pattern. In areas where Concrete pavers are allowed i.e., entrances to Commercial shopping centers and Industrial parks, the City standard paver is Pavestone "Uni-Décor" interlocking or approved equal. The paver is approximately 3 1/8" thick, pigmented and the following color application shall be followed: antique red shall be the standard color, light gray shall be used as accent banding. Accent banding is to be 4" x 8" rectangular paver, "Holland Stone" or approved equal. The subbase shall be reinforced concrete paving, unless another material is approved by the City Engineer. Alternate paving materials at subdivision/development entry shall be acceptable if they are comparable in color, quality and texture to the City standard.

....."

- I. Headwall: Stone, brick, stamped concrete, or concrete pavers are acceptable materials covering the headwall.

.”

Figure 3

Delete: “Concrete Pavers”.

Add: “Stamped Concrete or Concrete Pavers”.

.

Figure 4A

Delete: “Concrete Paver of a Natural Tone”, “15’ Pedestrian Crosswalk of Concrete Pavers” , and “2 Bands of Concrete Pavers on Both Sides of Crosswalk”.

Add: “Stamped Concrete”.

Figure 4B

Delete: “15’ Pedestrian Crosswalk of Concrete Pavers” and “Single Band of Pavers on Both Sides of Crosswalk”.

Add: “Stamped Concrete”.

Figure 5

Delete: “Special Pavers Mortared Lighter Gray to Define Curb” and “Concrete Pavers to Match Major Style and Color”.

Add: “Stamped Concrete”.

.

Figure 7

Delete: “Concrete Pavers”.

Add: “Stamped Concrete or Concrete Pavers”.

Figure 8

Delete: “ Drainage Spillways Masked with Concrete Pavers or Stone, and Low Vegetation”.

Ord #2002-979

Add: "Drainage Spillways Masked with Stamped Concrete, Concrete Pavers or Stone; and Low Vegetation".

Figure 9

Delete: "Concrete or Paver Banding" and "Concrete Pavers".

Add: "Stamped Concrete".

Figure 10

Delete: "Concrete or Paver Banding" and "Concrete Pavers".

Add: "Stamped Concrete".

Figure 11

Delete: "Concrete or Paver Banding" "Concrete Pavers 15' wide" and "Concrete Pavers".

Add: "Stamped Concrete".

.....

Figure 24

Delete: "Brick/Concrete Pavers or Stone Mortared on Concrete Subbase".

Add: "Stamped Concrete, Brick/Concrete Pavers or Stone Mortared on Concrete Subbase".

SECTION 2. That all ordinances and provisions of the Ordinances of the City of Coppell, Texas in conflict with the provisions of this ordinance be, and the same are hereby, repealed, and all other provisions not in conflict with the provisions of this ordinance shall remain in full force and effect.

SECTION 3. That should any word, phrase, paragraph, section or portion of this ordinance, or of the Ordinances, as amended hereby, be held to be void or unconstitutional, the same shall not affect the validity of the remaining portions of said ordinance or of the Ordinances, as amended hereby, which shall remain in full force and effect.

Ord. # 2002-979

Ord. # 2002-979

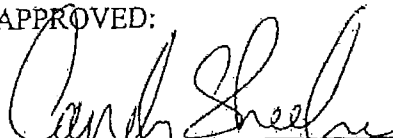
SECTION 4. An offense committed before the effective date of this ordinance is governed by prior law and the provisions of the Ordinances, as amended, in effect when the offense was committed and the former law is continued in effect for this purpose.

SECTION 5. That any person, firm or corporation violating any of the provisions of this ordinance or of the ordinances, as amended hereby, shall be deemed guilty of a misdemeanor and, upon conviction in the municipal court of the City of Coppell, Texas, shall be subject to a fine not to exceed the sum of Two Thousand Dollars (\$2,000.00) for each offense; and each and every day said violation is continued shall constitute a separate offense.

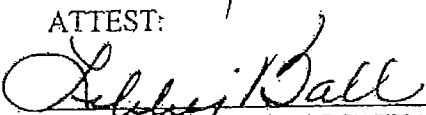
SECTION 6. That this ordinance shall become effective immediately from and after its passage and publication of the caption as the law and charter in such cases provide.

DULY PASSED by the City Council of the City of Coppell, Texas, this the 12th day of Feb., 2002.

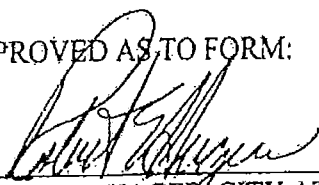
APPROVED:


CANDY SHEEHAN, MAYOR

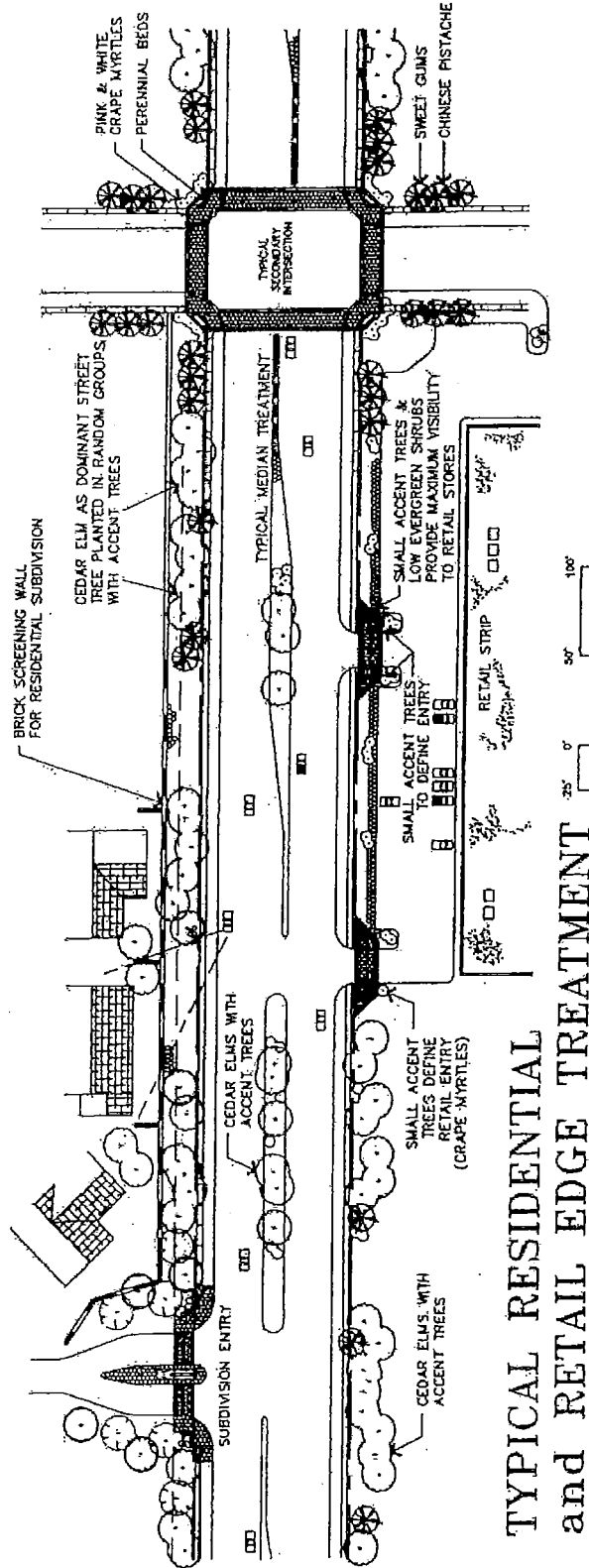
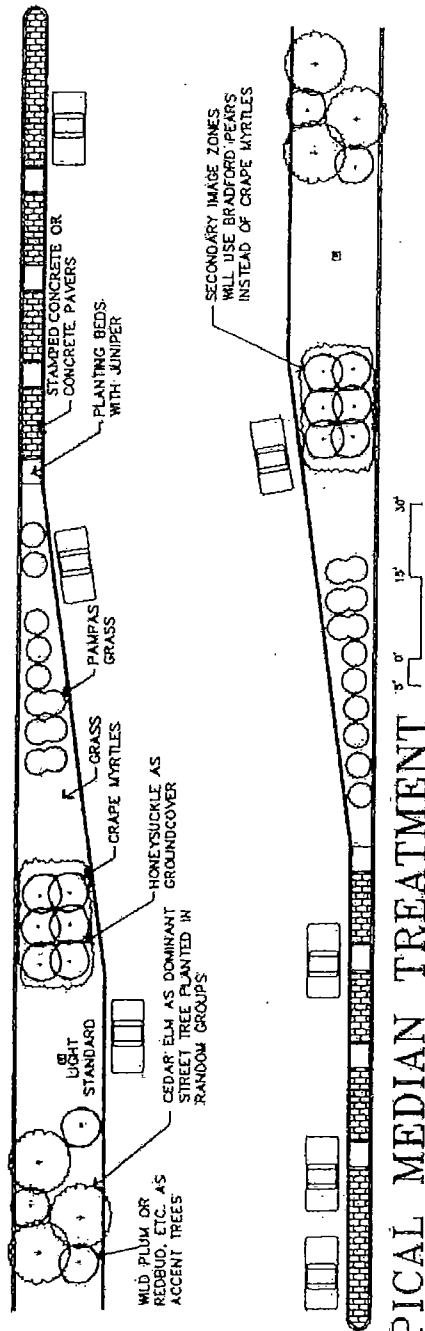
ATTEST:


LIBBY BALL, CITY SECRETARY

APPROVED AS TO FORM:


ROBERT E. HAGER, CITY ATTORNEY

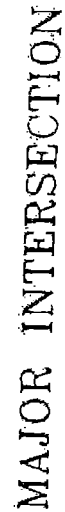
TYPICAL MEDIAN TREATMENT

TYPICAL RESIDENTIAL
and RETAIL EDGE TR

Ord. # 2002-979

NEWSOM
JUN 18 1964

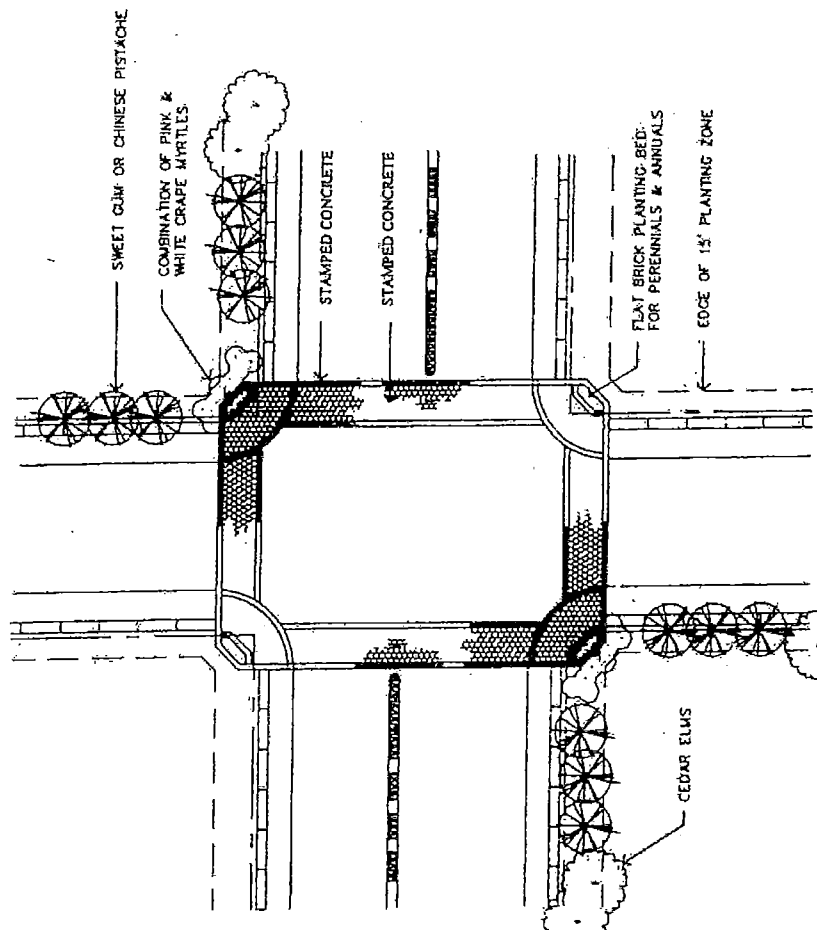
FIGURE 3



REVISED
FEB 18 1994

FIGURE 4A

2 11 77 44 00 00



SECONDARY INTERSECTION

COPPELL STREETSCAPE STUDY

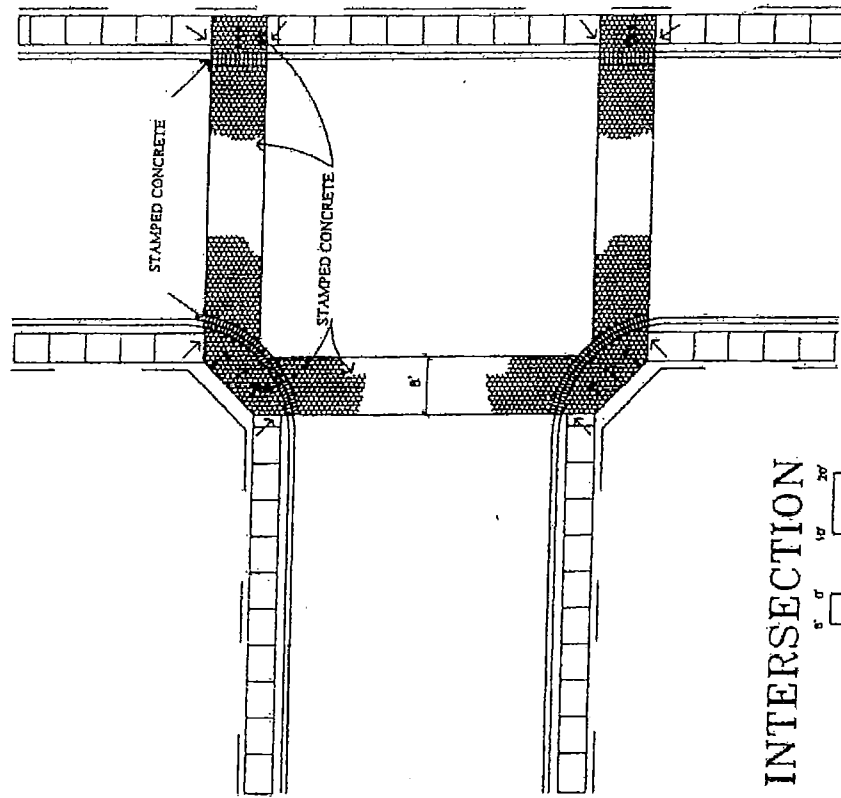
REVISIONS

DATE	DESCRIPTION

FIGURE 4B

Ord. # 2002-979

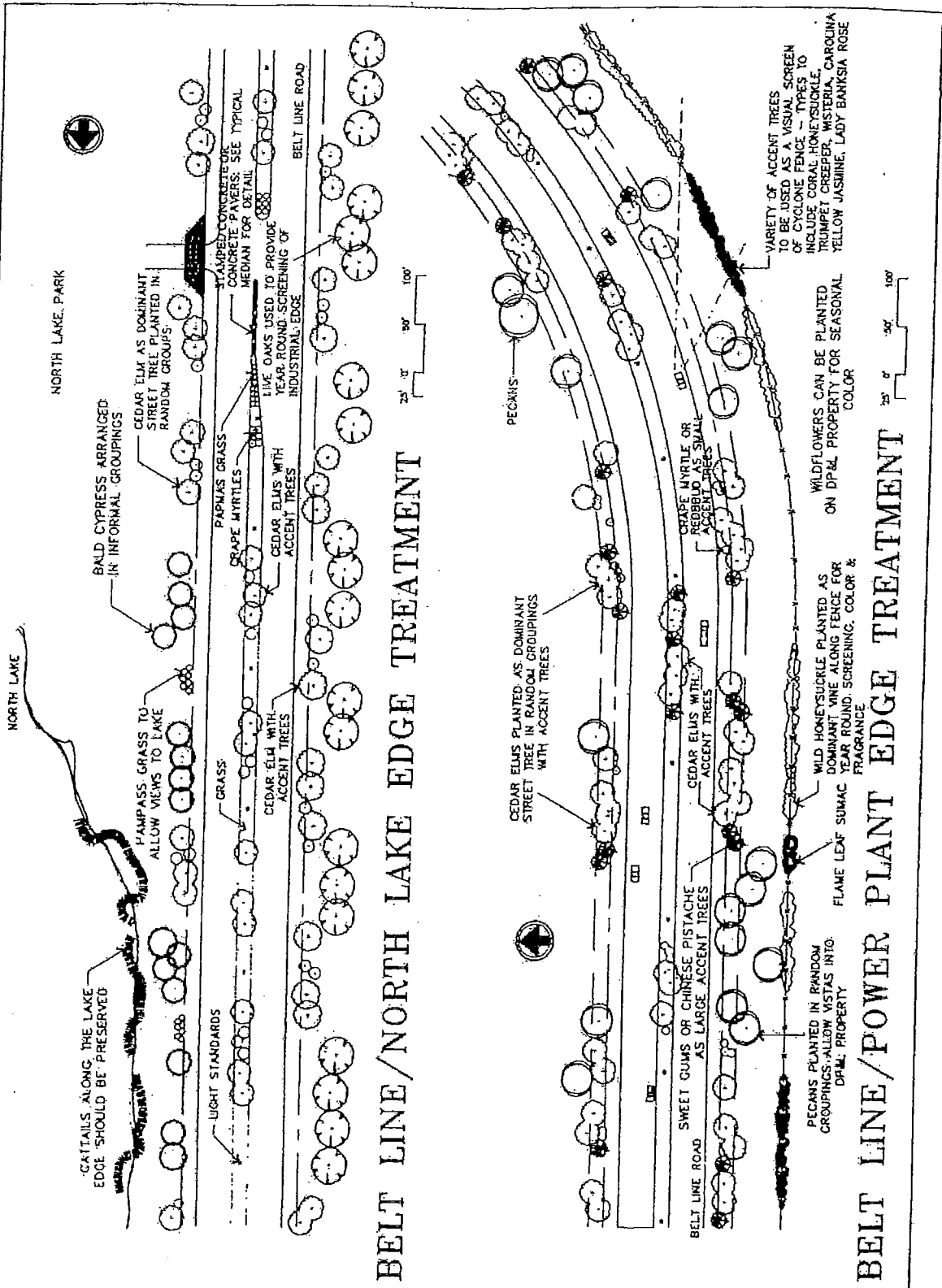
Ord. # 2002-979



COPPELL STREETSCAPE STUDY

REVISIONS
DATE
BY
DESCRIPTION

FIGURE 5



COPPELL STREETSCAPE STUDY

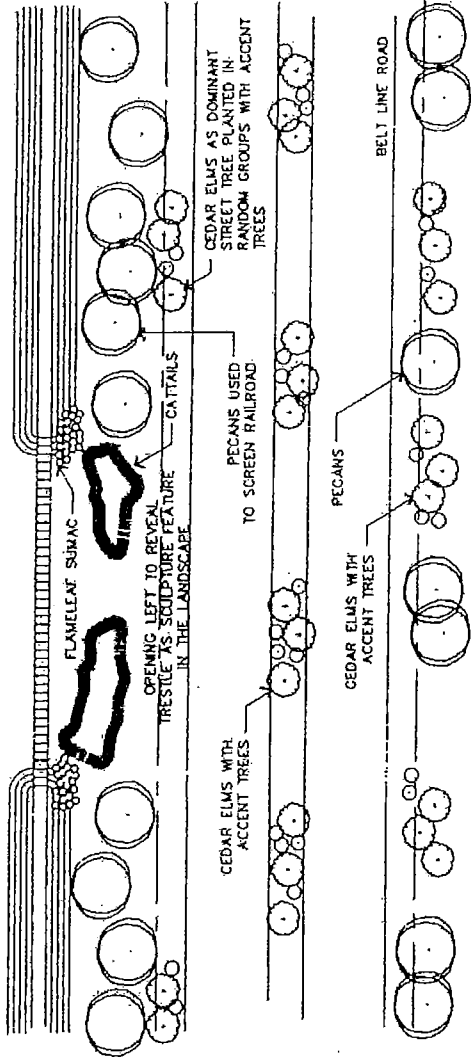
REVISIONS
1. 11.1984

FIGURE 7

Ord # 2002-979

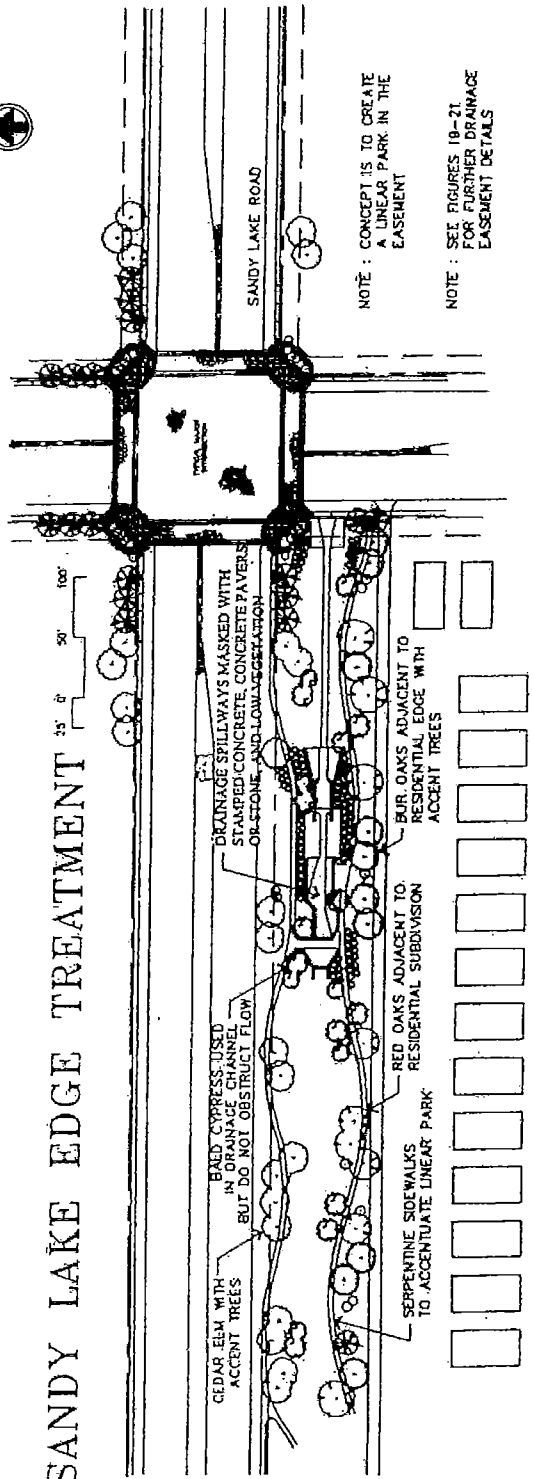
BELT LINE/R.R.EDGE TREATMENT

10' 0" 25' 50'



SANDY LAKE EDGE TREATMENT

25' 0" 50' 100'



NOTE : CONCEPT IS TO CREATE A LINEAR PARK IN THE EASEMENT

NOTE : SEE FIGURES 18-21 FOR FURTHER DRAINAGE EASEMENT DETAILS

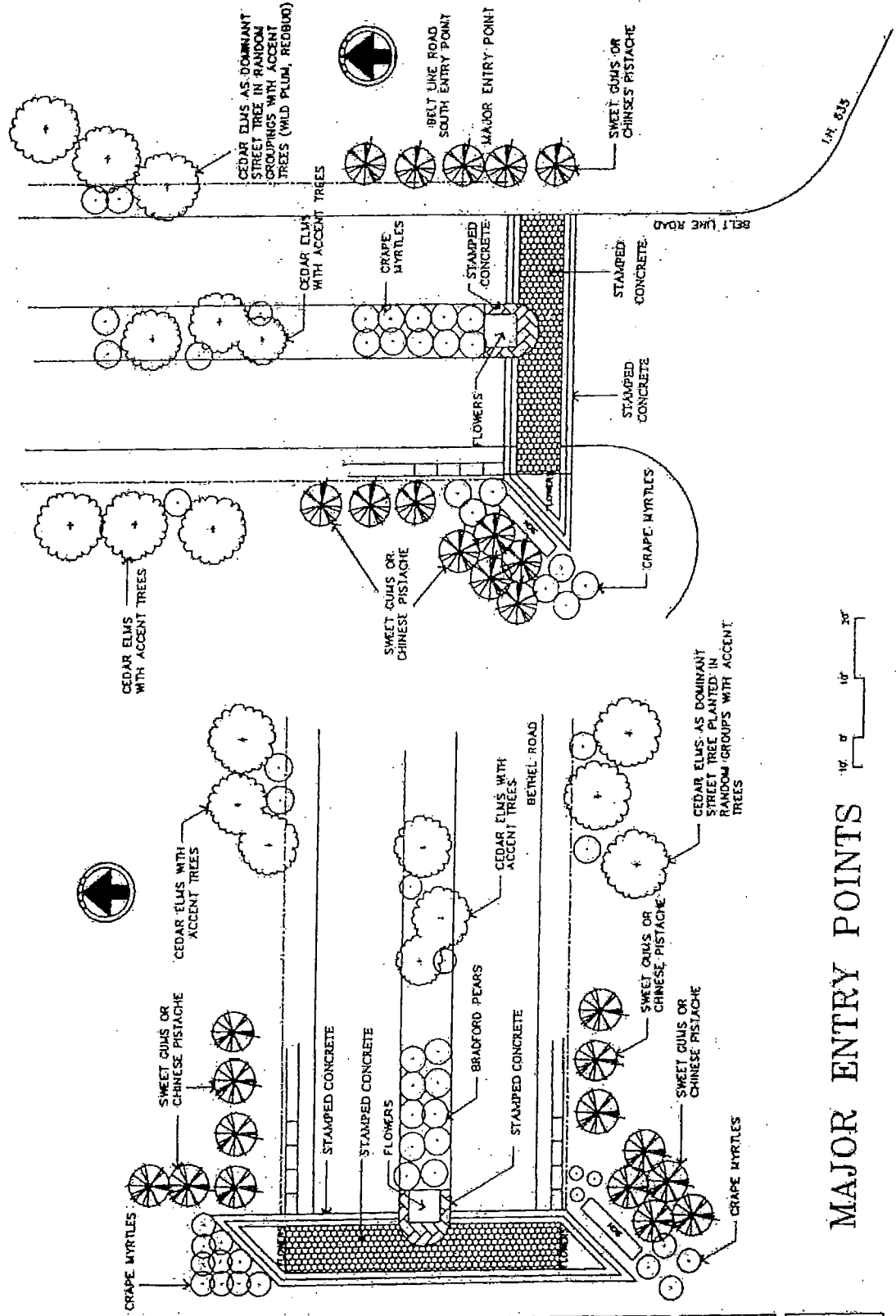
COPPELL STREETSCAPE STUDY

REVISIONS
1. 12.18.1994

FIGURE 8

Ord. # 2002-979

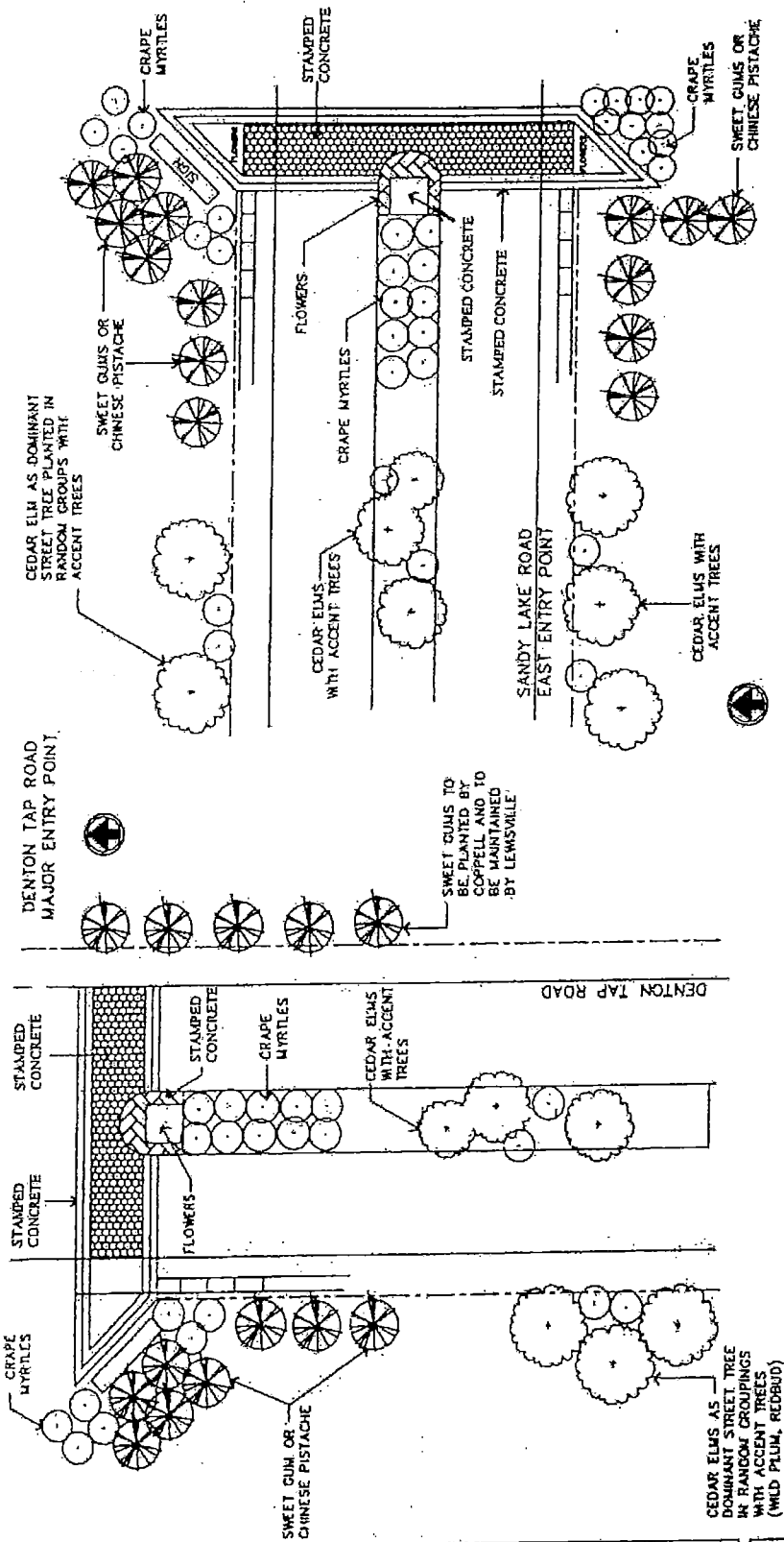
COPPELL STREETSCAPE STUDY



MAJOR ENTRY POINTS

FIGURE 9

Ord. # 2002-979



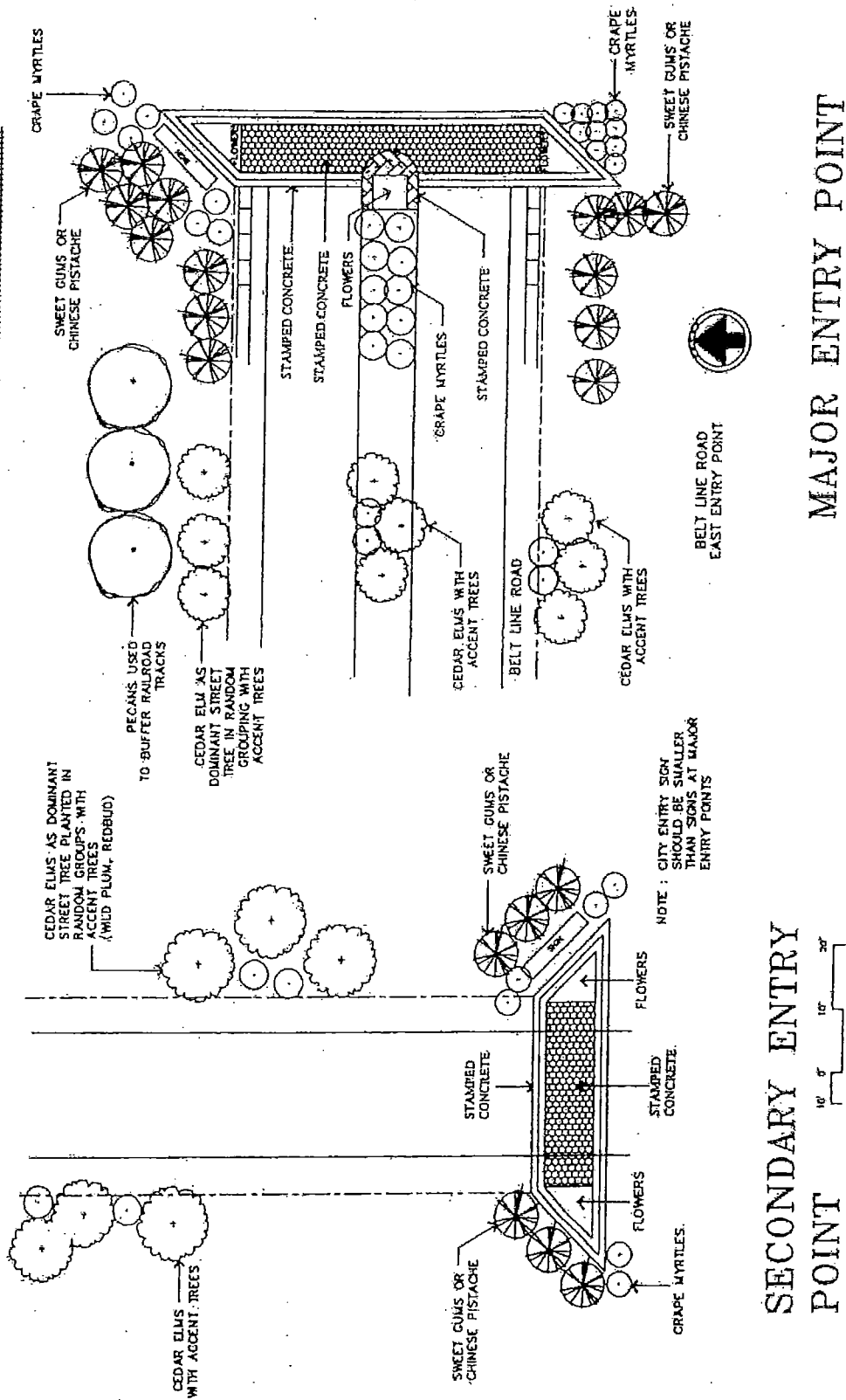
COPPELL STREETSCAPE STUDY

REVISIONS
FOR 11.11.11

FIGURE 10

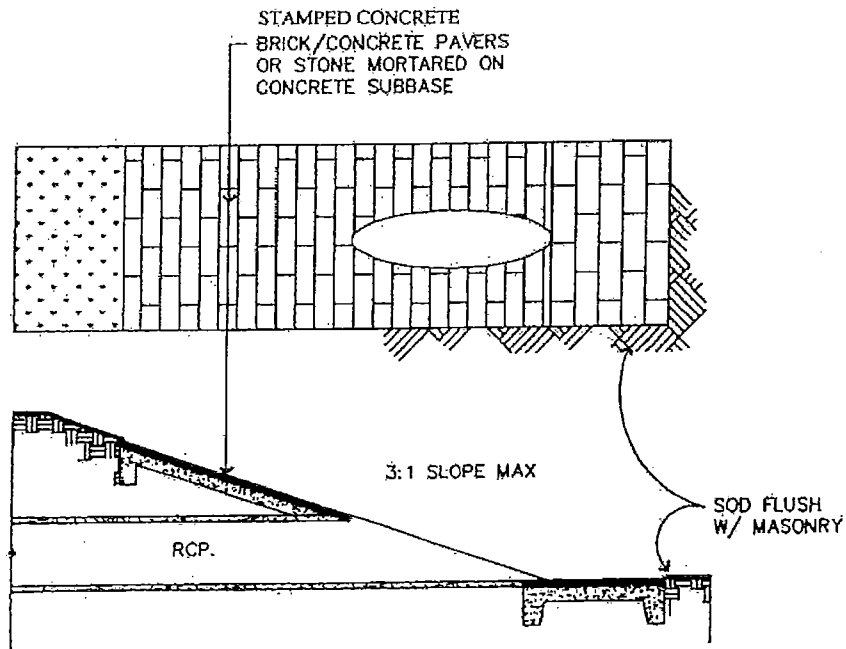
Ord. # 2002-979

COPPELL STREETSCAPE STUDY



Ord. # 2002-979

Ord. # 2002-979



HEADWALL DETAIL

COPPELL STREETSCAPE STUDY

REVISIONS
1/15/2004

FIGURE 24

North Texas **Bomanite** Inc.

FAX TRANSMITTAL

DATE: January 31, 2002.
TO: Ken Griffin & Garreth Campbell
OF: City of Coppell
FAX NUMBER: 972-304-3570
REGARDING: Specifications and Related Information
FROM: Don Bruner
SENDER'S FAX NUMBER: 972-484-8466

Number of pages including this cover sheet: 45

Hard copy: ☐ will follow.
☐ will not follow.

COMMENTS:

The color(s) and pattern utilized on the Sandy Lake Road intersection are as follows:

- A. Red Clay - Bomanite Integral Color with Bomanite Natural Gray Release
- B. Gunmetal Gray - Bomanite Integral Color with Cobblestone Gray Release
- C. Running Bond Used Brick - Pattern

COPIES TO:

VIA:

SPECIAL SPECIFICATION

ITEM 56

Texturized

COLORED-TEXTURIZED CONCRETE

1. **Description.** This Item shall govern for the furnishing and placing of colored-texturized concrete in accordance with the details shown on the plans and the requirements of these specifications.
2. **Materials.** All materials shall conform with the respective requirements of the Standard Specification Items of "Concrete for Structures", "Concrete Structures", "Concrete Admixtures", "Concrete Pavement (Water Cement Ratio)" and/or "Concrete Pavement (Continuously Reinforced)" with the following exceptions:
 - (1) **Cement.** Portland cement shall be Type I. The same brand and source shall be used throughout the structure.
 - (2) **Coarse Aggregate.** The coarse aggregate shall consist of durable particles of natural or crushed gravel and shall conform to Item 421, "Concrete for Structures". Gradation for coarse aggregate shall be specified on the plans.
 - (3) **Fine Aggregate.** Fine aggregate shall consist of clean, hard, durable and noncoated particles of natural or manufactured sand or a combination thereof, with or without a mineral filler and shall conform to Item 421, "Concrete for Structures". Gradation for fine aggregate be approved by the Engineer.
 - (4) **Concrete.** The concrete shall contain ^{6.0}~~5.5~~ sack of per cubic yard. An air entraining agent and/or a Type A water reducing or a Type D water-reducing retarding admixture complying with Standard Specification Item "Concrete Admixtures" may be used.

See Attached Design

Concrete Strength shall be a minimum 3000 PSI at 28 days. Strength specimens shall be made, cured and tested in accordance with Test Method Tex-418-A.
 - (5) **Integral Color Admixture.** Bomanite Integral Color Admixture (as manufactured by Bomanite Corporation) or approved equal shall be used for this item. The color shall be as specified on the plans.
 - (6) **Release Agent.** Release Agent manufactured by Bomanite Corporation or approved equal is to be used. The color shall be as specified on the plans.
 - (7) **Acrylic Sealer.** Sealer shall meet the requirements of ASTM C-309.

Page 2 of 3

Colored-Texturized Concrete

3. **Construction Methods.** Any required excavation and backfill shall be done in accordance with Item 400, "Structural Excavation", except for measurement and payment, and/or in accordance with Specification Items 1128, "Excavation", and 1129, "Embankment". The Installation Contractor shall have a minimum of 5 years experience in the installation process of colored Texturized concrete.

(1) The integral color admixtures shall be added to the concrete at the rate and method determined in accordance with the manufacturer's recommendations and as approved the Engineer. Regardless of the method used, the Contractor will maintain a uniform color of the color specified.

(2) The concrete mix shall be placed and screeded to the proper grade and wood floated to a uniform surface in the normal manner.

(3) While the concrete is still in the plastic stage of set, using special imprinting tools approved by the Engineer, the concrete shall be patterned using the special imprinting tools to create the surface as shown on the plans and as approved by the Engineer.

(4) **Application of Acrylic Sealer.**

(A.) **Preparatory Work.** Clean Surfaces of existing dirt, chemical films, oil, tar, grease, and stains by methods approved by the Engineer. New concrete all be in place a minimum of seven days before application. Protect plant life and other areas that may be damaged by the sealer.

(B.) **Acceptable Methods of Application.** Apply sealer at the rate of 250 square feet per gallon. Apply sealer at a uniform wet film thickness. Do not dilute or alter material packaged. Allow 24 hours after application before opening to traffic.

1. **Spray Application.** Apply sealer with commercial spray apparatus. Use a suitable working pressure to produce a uniform spray pattern with a fan type spray nozzle with orifice size no smaller than 0.035 inch. Apply only at rate specified. Broom sealer to eliminate "puddling". Avoid overspray and deposits of material on other objects.

2. **Roller Application.** Use full nap roller and apply with minimum overlap.

Page 3 of 3

Colored-Texturized Concrete

4. **Measurement.** Colored-Texturized concrete of the thickness specified will be measured by the square yard (SY) using the dimensions shown on the plans.

5. **Payment.** Payment for "Colored-Texturized Concrete" of the thickness specified, measured as specified herein, will be paid for at the unit price bid per "square yard" and shall be full compensation for furnishing, placing, finishing and curing of the colored-Texturized concrete.

The above payment shall be full compensation for all materials, tools, labor, equipment and incidentals necessary to complete the work.

City of Coppell

Mix #: 8274

Description: 6.00SK ADMIX/AEA 1"CS

Strength: 555 psi @ 28 Days

HAND PLACED PAVING (ASTM C293)

Maximum Size Coarse Aggregate: 1" - #4 CRUSHED STONE

Maximum Water/Cement Ratio: 0.457 lbs/lb

Cement/Cementitious Content: 6.00 sacks (per cubic yard)

Maximum Placement Slump: 4.00 inches

Air Entraining Agent: ASTM C-260

Admixture: ASTM C-494 Type A or D

MATERIAL QUANTITIES PER 1.0 CUBIC YARD AT S.S.D

564 lbs. ASTM C 150 TYPE I CEMENT — 6 1/4 Sack

1840 lbs. 1" - #4 CRUSHED STONE

1273 lbs. CONCRETE SAND

258 lbs. or 31.0 Gallons of Water

2.0 to 4.0 oz/cwt of ASTM C-494 Type A

Specified Air Content: 3.0% - 6.0%

Placement Slump: 3.00 + or - 1.00 inches

AN ORDINANCE OF THE CITY OF COPPELL

ORDINANCE NO. 2009-1243

AN ORDINANCE OF THE CITY OF COPPELL, TEXAS, AMENDING ARTICLE 9-13, "ANTI-NOISE CODE", BY CHANGING THE TITLE TO "LOUD AND DISTURBING NOISE AND VIBRATIONS" AND BY AMENDING SECTION 9-13-2 BY PROVIDING FOR VIBRATIONS AND SPECIFIC ACTS PRESUMED OFFENSIVE TO ORDINARY INHABITANTS; AND, BY ADDING SUBSECTION (I) PROVIDING PERMITTED HOURS AND DAYS FOR CONSTRUCTION ACTIVITY; AND SUBSECTION (J) PROVIDING FOR THE OPERATION OF SOUND EQUIPMENT; PROVIDING A REPEALING CLAUSE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A SAVINGS CLAUSE; PROVIDING A PENALTY OF A FINE NOT TO EXCEED FIVE HUNDRED DOLLARS (\$500) FOR EACH OFFENSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, It is in the best interest of the City of Coppel to control or minimize nuisances made by construction noise within residential districts; and

WHEREAS, the construction industry has an interest of being able to perform construction within residential districts.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF COPPELL, TEXAS, THAT:

SECTION 1. That Article 9-13-4 shall be added into Article 9-13 of the Code of Ordinances and shall read as follows:

"ARTICLE 9-13. LOUD AND DISTURBING NOISE AND VIBRATIONS

.....

Sec. 9-13-2. Specific acts deemed loud and raucous.

... article, and such specific acts are presumed to be offensive to the ordinary sensibility of the inhabitants of the city, but such ...

.....

D. The use ... rattling noise or vibrations.

.....

I. Any construction activity related to the erection, excavation, demolition, alteration, or repair of any building, fence, swimming pool/spa, flat work,

or accessory structure on or adjacent to a residential district or structure and use as defined in Chapter 12 of the Code of Ordinances other than between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday, and between the hours of 9:00 a.m. and 7:00 p.m. on Saturdays, Sundays and legal holidays, except that the city manager or designee may issue a written permit to exceed these hours in the case of urgent necessity in the interest of public safety or for other reasons determined by the city manager or designee to be necessary for the public health, safety or welfare. For purposes of this section, "legal holidays" include New Year's Day (January 1), Memorial Day (observed date), Fourth of July (July 4), Labor Day (observed date), Thanksgiving Day (observed date), and Christmas Day (December 25).

...."

SECTION 2. That all provisions of the Ordinances of the City of Coppel, Texas, in conflict with the provisions of this ordinance be, and the same are hereby, repealed, and all other provisions of the Ordinances of the City not in conflict with the provisions of this ordinance shall remain in full force and effect.

SECTION 3. That should any word, sentence, paragraph, subdivision, clause, phrase or section of this ordinance, or of the Code of Ordinances, as amended hereby, be adjudged or held to be void or unconstitutional, the same shall not affect the validity of the remaining portions of said ordinance or the Code of Ordinances, as amended hereby, which shall remain in full force and effect.

SECTION 4. That any person, firm or corporation violating any of the provisions or terms of this ordinance shall be subject to the same penalty as provided for in the Code of Ordinances of the City of Coppel, Texas, as heretofore amended, and upon conviction shall be punished by a fine not to exceed the sum of Five Hundred (\$500.00) Dollars for each offense; and each and every day such violation shall continue shall be deemed to constitute a separate offense.

SECTION 5. That this ordinance shall take effect immediately from and after its passage as the law and charter in such cases provide.

DULY PASSED by the City Council of the City of Coppel, Texas, this the 27th day of October, 2009.

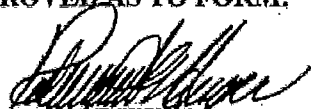
APPROVED:


JAYNE PETERS, MAYOR

ATTEST:


LIBBY BALL, CITY SECRETARY

APPROVED AS TO FORM:


ROBERT E. HAGER, CITY ATTORNEY
(JDD/ajh/REH/cdb)

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.